SPECIAL PROGRAMME ARCHITECTURAL CERAMICS FOR POOL CONSTRUCTION







POOLS FOR CHAMPIONSHIPS | LEISURE POOLS | PUBLIC & HOTEL POOLS | THERAPY & PRIVATE POOLS













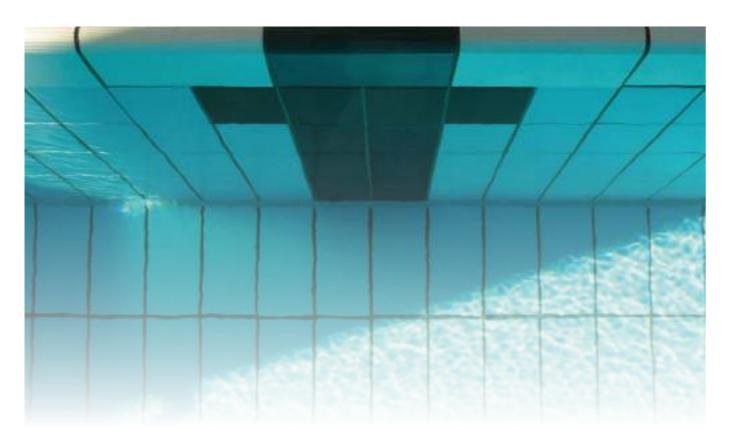
SOLUTION SWORLDWIN

SWIMMING POOL CERAMICS

100 % MADE IN GERMANY

interbau-blink succeeded in proving itself as specialist for swimming pool solutions. Our swimming pool ceramic programme unfailingly offers an appealing and technically secure solution for public sports facilities, public pools, hotel pools, therapy or private pools.

Ceramic tiles and special pieces made by **interbau-blink** distinguish themselves by their long durability, colour fastness and non-fade properties. They offer optimal hygiene, are particularly low-maintenance and resistant against frost, heat and aggressive substances. All special pieces are extruded and therefore exceedingly true to contour and produced under a high quality standard, based on decades of experience, qualified employees and modern production technology.



MAXIMAL CREATIVITY IN SHAPE & COLOUR

Technical proficiency and industrial production technology at the highest level not only guarantee top quality but also allow a great measure of flexibility for individual planning requirements.

Around 100 basic contours in different lengths offer our special solutions the maximal creative range in line and contour as well as a perfect detail development. The VarioCOLOR colour programme with 52 mono-colours offers unlimited combination possibilities. Clear and vibrant shades from every colour range support individual, creative leeway for indoor and outdoor areas. Particular highlights can be made with the 11 intense and basic colours of the VarioCOLOR programme.

Of course custom-made designs and productions in individual colours are part of our wide-ranged product portfolio.



CONTENT

COLOUR RANGE

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- **S. 8** VarioCOLOR glossy [basic & intensive colours]
- **S. 9** VarioCOLOR slip resistant [glazed & unglazed]

BASIC TILES & SPLIT TILES

- 10 VarioCOLOR semi gloss
- S. 12 VarioCOLOR glossy
- **S. 14** VarioCOLOR slip resistant

POOL EDGE SYSTEMS

- **S. 18 System Wiesbaden** | high water level | large & small channel
- 5. 20 System Wiesbaden with recess | high water level | large & small channel
- **5. 22 System Wiesbaden** | low water level | large channel
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- S. 25 System Finland 2 | high water level
- 5. 26 System Finland 3 | high water level
- S. 27 System Finland | range of shape tiles
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- S. 28 System Zürich | high water level
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SHAPE TILES & SPECIAL PARTS

- **S. 32** Radial tiles & coved tile systems
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- **5. 46** Instructions for cleaning and maintenance
- **S. 46** Valuation groups in wet barefoot areas
- **. 47** Norms and test results
- **S. 48** Item index & colour range



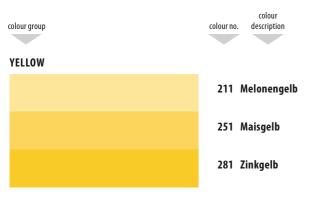


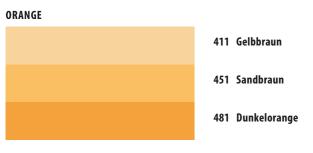
VarioCOLOR COLOUR GROUPS | GLAZED | SEMI GLOSS

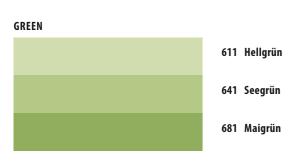


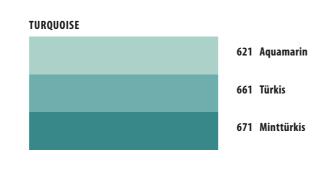
The VarioCOLOR colour system

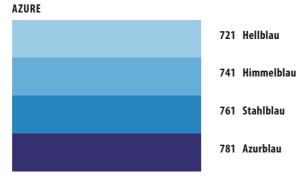
The colours of the VarioCOLOR range are influenced and developed considering latest colour technologies. The balanced definition of colours provides clear and powerful colours in any supplied shade. The semi gloss surface of the main colours features elegant presence and is applicable for versatile use. Six intensive colours provide bright and powerful colour effects. High quality colour pigments and optimal composition retain steady colours.

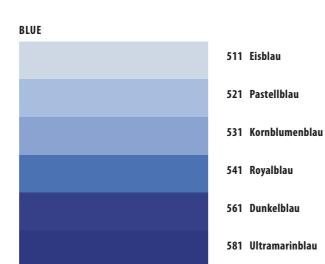
















821 Lachs

841 Sienaerde

861 Sattelbraun

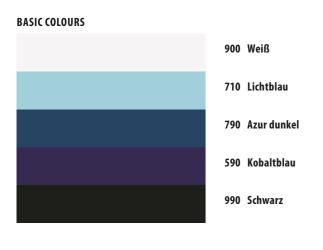
871 Nussbraun

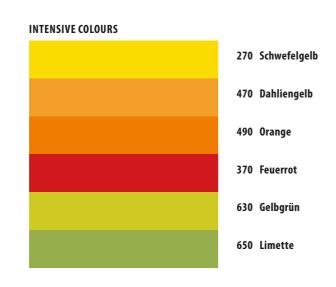
881 Schokobraun

SEMI 61055

VarioCOLOR

BASIC & INTENSIVE COLOURS | GLAZED | GLOSSY





BASIC & INTENSIVE

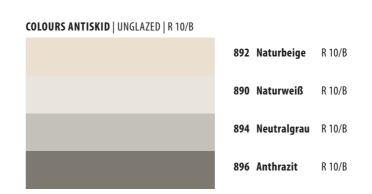




VarioCOLOR SLIP RESISTANT | GLAZED



VarioCOLOR SLIP RESISTANT | UNGLAZED



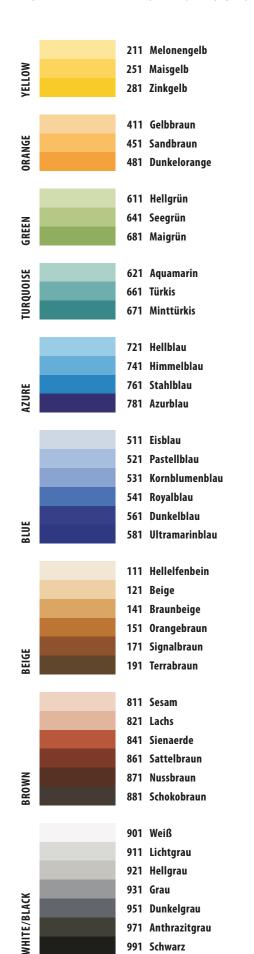
COLOURS ANTISKID UNGLAZED PROFILED			
	893 Naturbeige	R 11/C	profile
	891 Naturweiß	R 11/C	profile
	895 Neutralgrau	R 11/C	profile
	897 Anthrazit	R 11/C	profile

OLOURS ANTISKID UNGLAZED ENGOBED ANTISK	(ID A	1-C	
6	90	Graugelb	R 10/A
6	91	Graugelb	R 11/BC
6	93	Graucreme	R 11/B

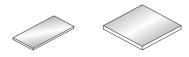
RESISTANT PESISTANT

BASIC TILES & SPLIT TILES | SEMI GLOSS

FOR WALL AREAS AND POOLS



Basic tiles Vario COLOR | semi gloss



	Basic tile	Basic tile	Basic tile
	standard	large*	small*
Item no.	1200	2424	1212
Coordinating size in mm	250 x 125 x 7,5	250 x 250 x 7,5	125 x 125 x 7,5
Work size in mm	244 x 119 x 7,5	244 x 244 x 7,5	119 x 119 x 7,5

Unit	m ²	m ²	m ²
Pcs/m ²	32	16	64
Approx. kg/pc	0,48	1,00	0,24
Pcs per box	40	20	80
m ² per box	1,25	1,25	1,25
Pcs per pallet	2880	1440	5760
Approx. kg/pallet	1410	1470	1410
m² per pallet	90	90	90
Boxes per pallet	72	72	72

Colour groups colours	Article no. PG	Article no. PG	Article no. PG
YELLOW	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
ORANGE	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
GREEN	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
TURQUOISE	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
AZURE	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
BLUE	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
BEIGE**	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
BROWN	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
WHITE/BLACK**	31 1200 - colour no. 703	32 2424 - colour no. 713	32 1212 - colour no. 723
Hellelfenbein	31 1200 111 702	32 2424 111 712	32 1212 111 722

32 2424 **901** | 711

32 2424 **911** | 712

32 1212 **901** | 721

32 2424 **911** | 722

 $PG = price group \mid * Order related production, please request minimum order quantities (MOQ).$

31 1200 **901** | 701

Split tiles Vario COLOR | semi gloss





Item no.	1100	2120
Coordinating size in mm	250 x 125 x 10	250 x 62 x 10
Work size in mm	240 x 115 x 10	240 x 52 x 10
Unit	m ²	m ²
Pcs/m ²	33	67
Approx. kg/pc	0,58	0,26
B 1	22	

Colour groups colours	Article no. PG	Article no. PG
YELLOW	41 1100 - colour no. 610	43 2120 - colour no. 623
ORANGE	41 1100 - colour no. 610	43 2120 - colour no. 623
GREEN	41 1100 - colour no. 610	43 2120 - colour no. 623
TURQUOISE	41 1100 - colour no. 610	43 2120 - colour no. 623
AZURE	41 1100 - colour no. 610	43 2120 - colour no. 623
BLUE	41 1100 - colour no. 610	43 2120 - colour no. 623
BEIGE	41 1100 - colour no. 610	43 2120 - colour no. 623
BROWN	41 1100 - colour no. 610	43 2120 - colour no. 623
WHITE/BLACK**	41 1100 - colour no. 580	43 2120 - colour no. 623



	Split tile*	Split tile*
Item no.	1100	2120
Coordinating size in mm	250 x 125 x 10	250 x 62 x 10
Work size in mm	240 x 115 x 10	240 x 52 x 10

Unit	m ²	m ²
Pcs/m ²	33	67
Approx. kg/pc	0,58	0,26
Pcs per box	23	44
m ² per box	0,70	0,66
Pcs per pallet	2415	4620
Approx. kg/pallet	1420	1220
m² per pallet	73,50	68,96
Boxes per pallet	105	105

Colour groups colours	Article no. PG	Article no. PG
YELLOW	41 1100 - colour no. 610	43 2120 - colour no. 623
ORANGE	41 1100 - colour no. 610	43 2120 - colour no. 623
GREEN	41 1100 - colour no. 610	43 2120 - colour no. 623
TURQUOISE	41 1100 - colour no. 610	43 2120 - colour no. 623
AZURE	41 1100 - colour no. 610	43 2120 - colour no. 623
BLUE	41 1100 - colour no. 610	43 2120 - colour no. 623
BEIGE	41 1100 - colour no. 610	43 2120 - colour no. 623
BROWN	41 1100 - colour no. 610	43 2120 - colour no. 623
WHITE/BLACK**	41 1100 - colour no. 580	43 2120 - colour no. 623

Weiß	41 1100 901 562	43 2120 901 582
Dunkelgrau	41 1100 951 590	corresp. PG WHITE/BLACK
Anthrazitgrau	41 1100 971 590	corresp. PG WHITE/BLACK
Schwarz	41 1100 991 623	corresp. PG WHITE/BLACK

The article basic tile 1200 and split tile 1100 are available with glazed edges [PG 770].

Please add the following abbreviations to the article number: Short glazed edge: KK | Long glazed edge: LK Corner glazed left: EKL | Corner glazed right: EKR

Alb Extruded Stoneware
Extruded Stoneware
Extruded Stoneware
Extruded Stoneware









Bla Dry pressed stoneware EN 14411 Group Bla

The article basic tile 1200 and split tile 1100 are available with glazed rounded edges [PG 506].

Please add the following abbreviations to the article number: Short rounded edge: **KR** | Long rounded edge: **LR** Corner rounded left: ERL | Corner rounded right: ERR









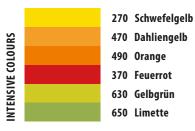




 $[\]ensuremath{^{**}}$ Different price groups within the colour group are listed separately.

BASIC TILES & SPLIT TILES | GLOSSY

FOR WALL AREAS AND POOLS



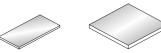


900 Weiß 710 Lichtblau 790 Azur dunkel

590 Kobaltblau

990 Schwarz

Basic tiles Vario COLOR | intensive & basic colours | glossy



	Basic tile	Basic tile	Basic tile
	standard	large*	small*
em no.	1200	2424	1212
ordinating size in mm	250 x 125 x 7,5	250 x 250 x 7,5	125 x 125 x 7,5
ork cize in mm	244 v 119 v 7 5	244 v 244 v 7 5	110 v 110 v 7 5

Unit	m ²	m ²	m ²
Pcs/m ²	32	16	64
Approx. kg/pc	0,48	1,00	0,24
Pcs per box	40	20	80
m ² per box	1,25	1,25	1,25
Pcs per pallet	2880	1440	5760
Approx. kg/pallet	1410	1470	1410
m² per pallet	90	90	90
Boxes per pallet	72	72	72

Colour groups colours	Article no. PG	Article no. PG	Article no. PG
INTENSIVE COLOURS	31 1200 - colour no. 644	32 2424 - colour no. 723	32 1212 - colour no. 723
BASIC COLOURS	Article no. PG	Article no. PG	Article no. PG
Weiß	31 1200 900 701	32 2424 900 711	32 1212 900 723
Lichtblau	31 1200 710 702	32 2424 710 712	32 1212 710 723
Azur dunkel	31 1200 790 703	32 2424 790 713	32 1212 790 723
Kobaltblau	31 1200 590 703	32 2424 590 713	32 1212 590 723
Schwarz	31 1200 990 703	32 2424 990 713	32 1212 990 723

 $PG = price group \mid * Order related production, please request minimum order quantities (MOQ).$

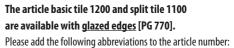
Split tiles VarioCOLOR | intensive & basic colours | glossy





Coordinating size in mm	250 x 125 x 10	250 x 62 x 10
Work size in mm	240 x 115 x 10	240 x 52 x 10
Unit	m ²	m ²
Pcs/m ²	33	67
Approx. kg/pc	0,58	0,26
Pcs per box	23	44
m ² per box	0,70	0,66
Pcs per pallet	2415	4620
Approx. kg/pallet	1420	1220
m² per pallet	73,50	68,96

Colour groups colours	Article no. PG	Article no. PG
INTENSIVE COLOURS	41 1100 - colour no. 644	43 2120 - colour no. 663
BASIC COLOURS	Article no. PG	Article no. PG
Veiß	41 1100 900 562	43 2120 900 582
ichtblau	41 1100 710 580	43 2120 710 605
Azur dunkel	41 1100 790 610	43 2120 790 623
Kobaltblau	41 1100 590 610	43 2120 590 623
Schwarz	41 1100 990 610	43 2120 990 623



Short glazed edge: **KK** | Long glazed edge: **LK** Corner glazed left: $\mathbf{EKL}\ |\$ Corner glazed right: $\mathbf{EKR}\ |\$

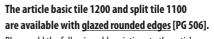






Alb Extruded Stoneware EN 14411 Group Alb

Bla Dry pressed stoneware EN 14411 Group Bla



Please add the following abbreviations to the article number: Short rounded edge: **KR** | Long rounded edge: **LR** Corner rounded left: **ERL** | Corner rounded right: **ERR**

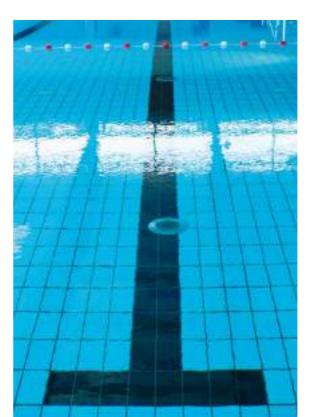








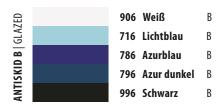


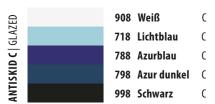


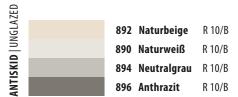


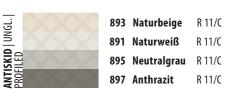
BASIC TILES & SPLIT TILES | SLIP RESISTANT

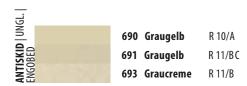
FOR FLOORS

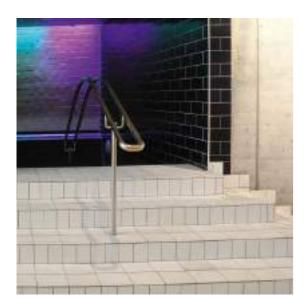












Basic tiles Vario COLOR | slip resistant



	Basic tile standard	Basic tile large*	Basic tile small*
Item no.	1200	2424	1212
Coordinating size in mm	250 x 125 x 7,5	250 x 250 x 7,5	125 x 125 x 7,5
Work size in mm	244 x 119 x 7,5	244 x 244 x 7,5	119 x 119 x 7,5

Unit	m ²	m ²	m ²
Pcs/m ²	32	16	64
Approx. kg/pc	0,48	1,00	0,24
Pcs per box	40	20	80
m ² per box	1,25	1,25	1,25
Pcs per pallet	2880	1440	5760
Approx. kg/pallet	1410	1470	1410
m² per pallet	90	90	90
Boxes per pallet	72	72	72

		Article no. PG	Article no. PG
B C	31 1200 - colour no. 731	32 2424 - colour no. 741	32 1212 - colour no. 751
B C	31 1200 - colour no. 731	32 2424 - colour no. 741	32 1212 - colour no. 751
B C	31 1200 - colour no. 732	32 2424 - colour no. 742	32 1212 - colour no. 752
B C	31 1200 - colour no. 732	32 2424 - colour no. 742	32 1212 - colour no. 752
B C	31 1200 - colour no. 732	32 2424 - colour no. 742	32 1212 - colour no. 752
	B C B C B C	B C 31 1200 - colour no. 731 B C 31 1200 - colour no. 732 B C 31 1200 - colour no. 732	B C 31 1200 - colour no. 731 32 2424 - colour no. 741 B C 31 1200 - colour no. 732 32 2424 - colour no. 742 B C 31 1200 - colour no. 732 32 2424 - colour no. 742

Colours antiskid, ung	Jl. Article no. PG	Article no. PG	Article no. PG
UNGLAZED	31 1200 - colour no. 761	32 2424 - colour no. 762	32 1212 - colour no. 763
UNGLAZED PROFILE	31 1200 - colour no. 761	32 2424 - colour no 762	32 1212 - colour no. 763

PG = price group | * Order related production, please request minimum order quantities (MOQ).



Split tiles Vario COLOR | slip resistant



	Split tile*
Item no.	1100
Coordinating size in mm	250 x 125 x 10
Work size in mm	240 x 115 x 10

Unit	m ²
Pcs/m ²	33
Approx. kg/pc	0,58
Pcs per box	23
m ² per box	0,70
Pcs per pallet	2415
Approx. kg/pallet	1420
m² per pallet	73,50
Boxes per pallet	105

Colours antiskid, glazed	Article no. PG
Weiß	41 1100 - colour no. 576
Lichtblau	41 1100 - colour no. 590
Azurblau	41 1100 - colour no. 611
Azur dunkel	41 1100 - colour no. 611
Schwarz	41 1100 - colour no. 611

Colours antiskid, ungl.	Article no. PG
UNGLAZED Graugelb	41 1100 - colour no. 562
IINGLAZED Graucromo	11 1100 - 603 562

The article basic tile 1200 and split tile 1100

are available with glazed edges [PG 770].

Please add the following abbreviations to the article number: Short glazed edge: KK | Long glazed edge: LK Corner glazed left: **EKL** | Corner glazed right: **EKR**

Bla Dry pressed stoneware EN 14411 Group Bla

Alb Extruded Stoneware
EN 14411 Group Alb









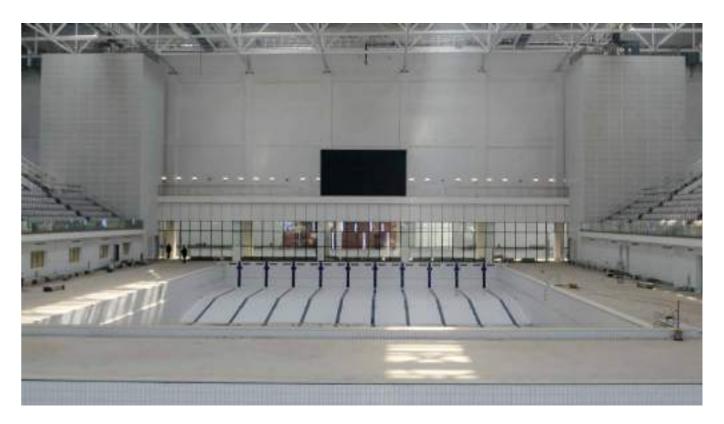
The article basic tile 1200 and split tile 1100 are available with glazed rounded edges [PG 506].

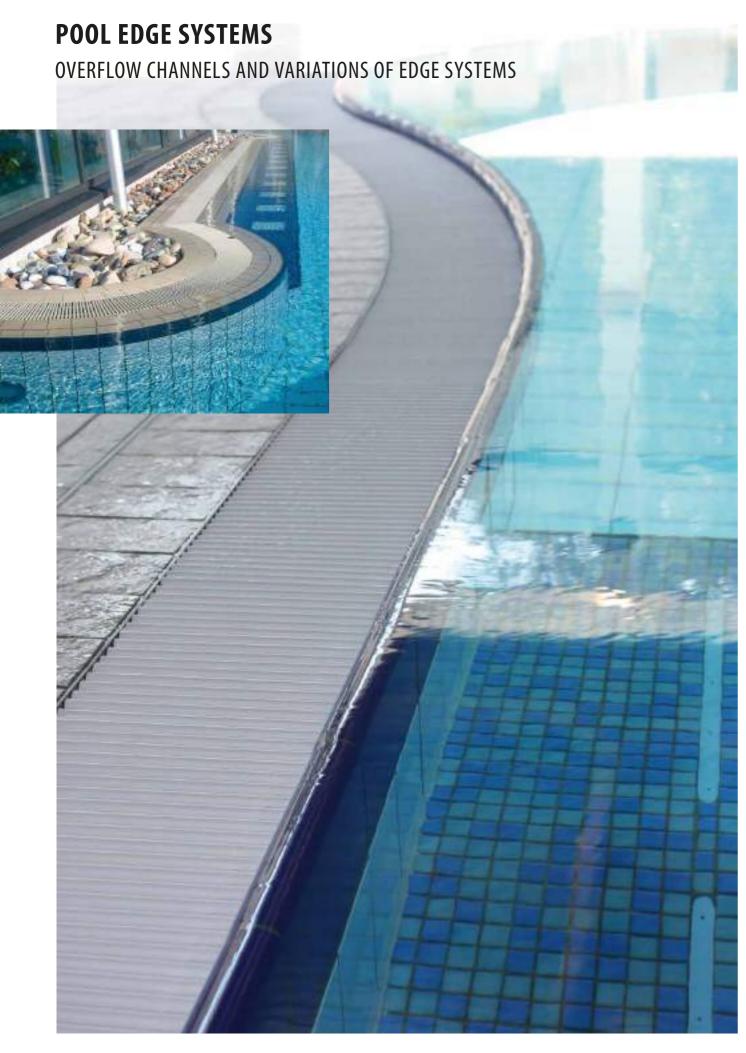
Please add the following abbreviations to the article number: Short rounded edge: KR | Long rounded edge: LR Corner rounded left: ERL | Corner rounded right: ERR















SPECIAL CERAMICS FOR SWIMMING POOL CONSTRUCTION IN HIGHEST QUALITY

The detailed drawings shown on this page should generally inform about our products and their application. In respect of the differences of the possible applications and the general surrounding conditions on the construction sight, these indications can only be considered as general information that will not guarantee any characteristics of our products in particular.

For dimensional sketches please contact us: info@interbau-blink.de

POOL EDGE SYSTEMS

Decisive criteria for the construction are taken from the following leaflets and guidelines issued by the below mentioned German institutes and associations:

- Bundesfachverband öffentliche Bäder e. V.
- Deutsche Gesellschaft für das Badewesen [z. B. KOK Richtlinien für den Schwimmbadbau]
- Zentralverband des Deutschen Baugewerbes [ZDB-Merkblätter]
- Contracting rules for award of public works
- HV der gewerblichen Berufsgenossenschaften [BG-Merkblätter Trittsicherheit]
- Bundesverband der Unfallkassen [GUV-Merkblätter Trittsicherheit]
- DIN | EN | ISO standards



SYSTEM WIESBADEN

HIGH WATER LEVEL



Item index | System Wiesbaden, small channel

lte	em description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard antiskid glazed	1200 RH
C	Overflow channel, small	5170
D	Overflow channel with drainage	5171
E	Grating, rigid	1218
F	Drain valve, silent, 2 ½"	5202

- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- 6 Water resistant concrete

Features:

With shaped ceramic in one piece you achieve a safe possibility for a handgrip for swimmers and a drain with a support for the grating.

The water level is approximately 3 cm above the pool surrounding, giving the following advantages:

- Swimmers can be guarded easily.
- Good view to the outside.
- No disturbing smells due to chlorine concentration.

System Wiesbaden | large channel | grating width 250 mm | high water level













	Overflow channel	1/2 Overflow channel	Stop end	Overflow channel with	Internal corner	External corner
	large	large	set of two pcs	drainage ø = 85 mm	set of two pcs	set of four pcs
Item no.	5300	5305	left: 5304 right: 5306	5301	5302	5307
Dimensions	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	LxBxH	L1 x L2 x B x H
Work size in mm	244 x 300 x 200 140	119 x 300 x 200 140	244 x 300 x 200 140	244 x 300 x 200 140	(2 x) 293 x 300 x 140	(two times each) 238 x 244 x 300 x 200
Unit	рс	рс	set	рс	set	set
Pcs/l.m. incl. joint	4	8	-		-	-
Approx. kg/pc	12,0	6,0	12,7	11,8	9,5	31,5
Pcs per box	1	2	1 set	1	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5300 - colour no. 653	66 5305 - colour no. 631	66 5304/06 - colour no. 658	66 5301 - colour no. 658	66 5302 - colour no. 665	66 5307 - colour no. 667
Weiß semi gloss	66 5300 901 650	66 5305 901 622	66 5304/06 901 657	66 5301 901 657	66 5302 901 664	66 5307 901 666

66 5304/06 **900** | 657

66 5304/06 **710** | 657

System Wiesbaden | small channel | grating width 185 mm | high water level



66 5300 **900** | 650

66 5300 **710** | 650

Weiß glossy

Lichtblau glossy



66 5305 **900** | 622

66 5305 **710** | 622





66 5301 **900** | 657

66 5301 **710** | 657



66 5302 **900** | 664

66 5302 **710** | 664



19

66 5307 **900** | 666

66 5307 **710** | 666

	Overflow channel	1/2 Overflow channel	Stop end	Overflow channel with	Internal corner	External corner
	small	small	set of two pcs	drainage ø = 85 mm	set of two pcs	set of two pcs
Item no.	5170	5175	left: 5174 right: 5176	5171	5172	5177
Dimensions	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	LxBxH	LxBxH
Work size in mm	244 x 225 x 160 115	119 x 225 x 160 115	244 x 225 x 160 115	244 x 225 x 160 115	(2 x) 218 x 225 x 115	(2 x) 238 x 225 x 160
Unit	рс	рс	set	рс	set	set
Pcs/l.m. incl. joint	4	8	-	-	-	-
Approx. kg/pc	9,0	4,5	9,5	8,4	7,0	7,0
Pcs per box	1	2	1 set	1	1 set	1 set

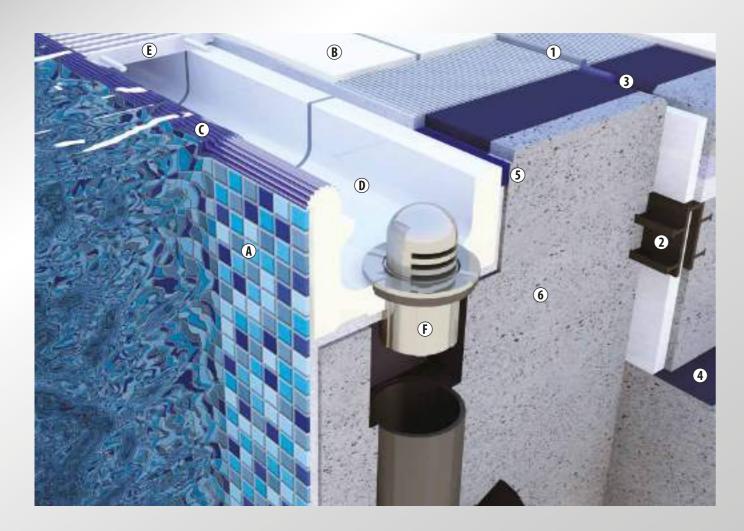
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5170 - colour no. 634	66 5175 - colour no. 602	66 5174/76 - colour no. 648	66 5171 - colour no. 648	66 5172 - colour no. 660	66 5177 - colour no. 660
Weiß semi gloss	66 5170 901 628	66 5175 901 597	66 5174/76 901 645	66 5171 901 645	66 5172 901 659	66 5177 901 659
Weiß glossy	66 5170 900 628	66 5175 900 597	66 5174/76 900 645	66 5171 900 645	66 5172 900 659	66 5177 900 659
Lichtblau glossy	66 5170 710 628	66 5175 710 597	66 5174/76 710 645	66 5171 710 645	66 5172 710 659	66 5177 710 659



^{*} Different price groups within the colour group are listed separately.

SYSTEM WIESBADEN

HIGH WATER LEVEL | OVERFLOW CHANNEL WITH RECESS



Item index | Overflow channel, small

lte	em description	Item no.
A	Tile of your choice or mosaic, glazed	
В	Basic tile standard antiskid glazed	1200 RH
C	Overflow channel, small	5270
D	Overflow channel with drainage	5271
E	Grating, rigid	1218
F	Drain valve, silent, 2 ½"	5202

- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- 6 Water resistant concrete

Features:

The front part of the Wiesbaden channel can be applied with an individual surface, offering an endless variaty of design possibilities. The formed ceramic Wiesbaden channel system with a high water level offers the same advantages compared to the regular Wiesbaden system. The channel enables swimmers to have a safe grip on the pool edge and additionally offers a support for the grating on top. The water level is approximately 3 cm on top of the surrounding area outside of the pool.

- Simple surveillance of the swimmers.
- Good visibility conditions to the exterior of the pool.
- No chlorine smell inside the pool.

SASTEM NESBADEN

System Wiesbaden | large channel | grating width 250 mm | high water level and recess [Tiles or mosaic can be installed on the front side.]













	Overflow channel large	1/2 Overflow channel large	Stop end	Overflow channel w. drainage	Internal corner	External corner
	smooth edge	smooth edge	set of two pcs	smooth edge ø = 85 mm	set of two pcs	set of four pcs
Item no.	5500	5505	left: 5504 right: 5506	5501	5502	5507
Dimensions	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L1 x L2 x B x H
Work size in mm	244 x 300 x 200 140	119 x 300 x 200 140	244 x 300 x 200 140	244 x 300 x 200 140	(2 x) 293 x 300 x 140	(two times each) 238 x 244 x 200
Unit	рс	pc	set	рс	set	set
Pcs/l.m. incl. joint	4	8	-	-	-	-
Approx. kg/pc	12,0	6,0	13,0	11,8	9,5	31,5
Pcs per box	1	2	1 set	1	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5500 - colour no. 660	66 5505 - colour no. 650	66 5504/06 - colour no. 662	66 5501 - colour no. 662	66 5502 - colour no. 674	66 5507 - colour no. 667
Weiß semi gloss	66 5500 901 659	66 5505 901 649	66 5504/06 901 661	66 5501 901 661	66 5502 901 673	66 5507 901 666
Weiß glossy	66 5500 900 659	66 5505 900 649	66 5504/06 900 661	66 5501 900 661	66 5502 900 673	66 5507 900 666
Lichtblau glossy	66 5500 710 659	66 5505 710 649	66 5504/06 710 661	66 5501 710 661	66 5502 710 673	66 5507 710 666

System Wiesbaden | small channel | grating width 185 mm | high water level and recess [Tiles or mosaic can be installed on the front side.]













21

	•	- •	- •	• •	- 40	- 42
	Overflow channel	1/2 Overflow channel	Stop end	Overflow channel	Internal corner	External corner
	small	small	set of two pcs	with drainage ø = 85 mm	set of two pcs	set of two pcs
Item no.	5270	5275	left: 5274 right: 5276	5271	5272	5277
Dimensions	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	L x B x H1 H2	LxBxH	L x B x H1 H2
Work size in mm	244 x 225 x 160 115	119 x 225 x 160 115	244 x 225 x 160 115	244 x 225 x 160 115	(2 x) 218 x 225 x 115	(2 x) 238 x 225 x 160 115
Unit	рс	рс	set	рс	set	set
Pcs/l.m. incl. joint	4	8	-	-	-	-
Approx. kg/pc	8,4	4,2	8,9	7,8	6,4	7,0
Pcs per box	1	2	1 set	1	1 set	1 set

Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5270 - colour no. 653	66 5275 - colour no. 631	66 5274/76 - colour no. 658	66 5271 - colour no. 658	66 5272 - colour no. 665	66 5277 - colour no. 665
Weiß semi gloss	66 5270 901 650	66 5275 901 622	66 5274/76 901 657	66 5271 901 657	66 5272 901 670	66 5277 901 670
Weiß glossy	66 5270 900 650	66 5275 900 622	66 5274/76 900 657	66 5271 900 657	66 5272 900 670	66 5277 900 670
Lichtblau glossy	66 5270 710 650	66 5275 710 622	66 5274/76 710 657	66 5271 710 657	66 5272 710 670	66 5277 710 670





^{*} Different price groups within the colour group are listed separately.

SYSTEM WIESBADEN

LOW WATER LEVEL



Item index | System Wiesbaden, low water level

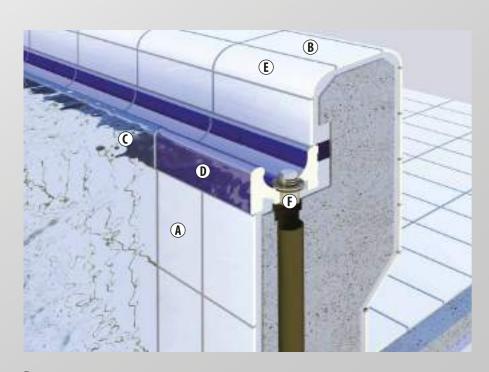
	in mach 5) stem mesbaden, ior	· mater rever
lte	em description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard antiskid glazed	1200 RH
C	Overflow channel	5100
D	Overflow channel with drainage	5101
E	Pool edging tile	5450
F	Drain valve, silent, 2 ½"	5202
_		

- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- 6 Water resistant concrete

Features:

Just like the overflow channel with a high water level the shaped ceramics made of one piece enable a safe possibility for a hand grip and as overflow. A grating is not required. With this system the water level is 20 to 25 cm below the pool surrounding.

THERAPY POOL SYSTEM



Item index | Therapy Pool System

lte	$Item\ description \qquad \qquad Item\ no.$				
A	Basic tile standard glazed	1200			
В	Basic tile standard antiskid glazed	1200 RH			
C	Overflow channel	5110			
D	Overflow channel with drainage	5111			
E	Radial tile, 60 mm	6450			
F	Drain valve, silent, 1 ½"	5201			

Features:

The small overflow channel enables the therapy guests a safe hold and also enables water flowing off. The therapist is located on the other side of the pool in an area with a dry surrounding. The shape of the pool edge is designed with radial tiles, enabling a well shaped top. This is where nice coloured designs can be set.

System Wiesbaden | large channel | low water level











В	l

	Overflow channel	1/2 Overflow channel	Stop end	Overflow channel with	Internal corner	External corner
	large	large	set of two pcs	drainage ø = 85 mm	set of two pcs	set of two pcs
Item no.	5100	5105	left: 5104 right: 5106	5101	5102	5107
Dimensions	LxBxH	LxBxH	LxBxH	LxBxH	LxBx H	LxBxH
Work size in mm	244 x 215 x 140	244 x 215 x 140	244 x 215 x 140	244 x 215 x 140	(2 x) 208 x 215 x 140	(2 x) 238 x 215 x 140
Unit	рс	рс	set	рс	set	set
Pcs/l.m. incl. joint	4	8	-	-		
Approx. kg/pc	8,1	4,0	8,6	7,6	7,0	7,0
Pcs per box	1	2	1 set	1	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5100 - colour no. 634	66 5105 - colour no. 602	66 5104/06 - colour no. 648	66 5101 - colour no. 648	66 5102 - colour no. 660	66 5107 - colour no. 660
Weiß semi gloss	66 5100 901 628	66 5105 901 597	66 5104/06 901 645	66 5101 901 645	66 5102 901 659	66 5107 901 659
Weiß glossy	66 5100 900 628	66 5105 900 597	66 5104/06 900 645	66 5101 900 645	66 5102 900 659	66 5107 900 659
Lichtblau glossy	66 5100 710 628	66 5105 710 597	66 5104/06 710 645	66 5101 710 645	66 5102 710 659	66 5107 710 659

SYSTEM WIESBADEN

Therapy Pool System













ВЧ	B	B **	B 🔍	B Alla	r Alb
Overflow channel	1/2 Overflow channel	Stop end	Overflow channel with	Internal corner	External corner
small	small	set of two pcs	drainage \mid ø = 50 mm	set of two pcs	set of two pcs
5110	5115	left: 5114 right: 5116	5111	5112	5117
LxBxH	LxBxH	LxBxH	LxBxH	LxBx H	LxBxH
244 x 150 x 100	119 x 150 x 100	244 x 150 x 100	244 x 150 x 100	(2 x) 143 x 150 x 100	(2 x) 238 x 150 x 100
рс	рс	set	рс	set	set
4	8	-	-	-	-
4,1	2,0	4,4	3,7	2,6	2,6
2	4	1 set	2	1 set	1 set
	Overflow channel small 5110 L x B x H 244 x 150 x 100 pc 4	Overflow channel ½ Overflow channel small small 5110 5115 LxBxH LxBxH 244x150x100 119x150x100 pc pc 4 8	Overflow channel small 32 Overflow channel small Stop end set of two pcs 5110 5115 left: 5114 right: 5116 LxBxH LxBxH LxBxH 244x150x100 119x150x100 244x150x100 pc pc set 4 8 - 4,1 2,0 4,4	Overflow channel small ½ Overflow channel small Stop end set of two pcs Overflow channel with drainage ø = 50 mm 5110 5115 left: 5114 right: 5116 5111 LxBxH LxBxH LxBxH LxBxH 244x150x100 119x150x100 244x150x100 244x150x100 pc pc set pc 4 8 - - 4,1 2,0 4,4 3,7	Overflow channel small 3/2 Overflow channel small Stop end set of two pcs Overflow channel with drainage ø = 50 mm Internal corner set of two pcs 5110 5115 left: 5114 right: 5116 5111 5112 LxBxH LxBxH LxBxH LxBxH LxBx H 244x150x100 119x150x100 244x150x100 244x150x100 (2x) 143x150x100 pc pc set pc set 4 8 - - - 4,1 2,0 4,4 3,7 2,6

Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5110 - colour no. 616	66 5115 - colour no. 587	66 5114/16 - colour no. 642	66 5111 - colour no. 642	66 5112 - colour no. 657	66 5117 - colour no. 657
Weiß semi gloss	66 5110 901 613	66 5115 901 584	66 5114/16 901 639	66 5111 901 639	66 5112 901 655	66 5117 901 655
Weiß glossy	66 5110 900 613	66 5115 900 584	66 5114/16 900 639	66 5111 900 639	66 5112 900 655	66 5117 900 655
Lichtblau glossy	66 5110 710 613	66 5115 710 584	66 5114/16 710 639	66 5111 710 639	66 5112 710 655	66 5117 710 655

HERAPY POOL

SYSTEM FINLAND 1

HIGH WATER LEVEL



Item index | System Finland 1

lte	em description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Hand grip tile	5730
D	Small grooved tile	3130
E	Small grooved tile w. safety marking	3136
F	Channel with drainage	4901
G	Angle tile w. grating support	9039
Н	Angle tile w. grating support \mid 107 $^{\circ}$	9050
1	Grating, rigid	1220
J	Drain valve, silent, 2 ½"	5202

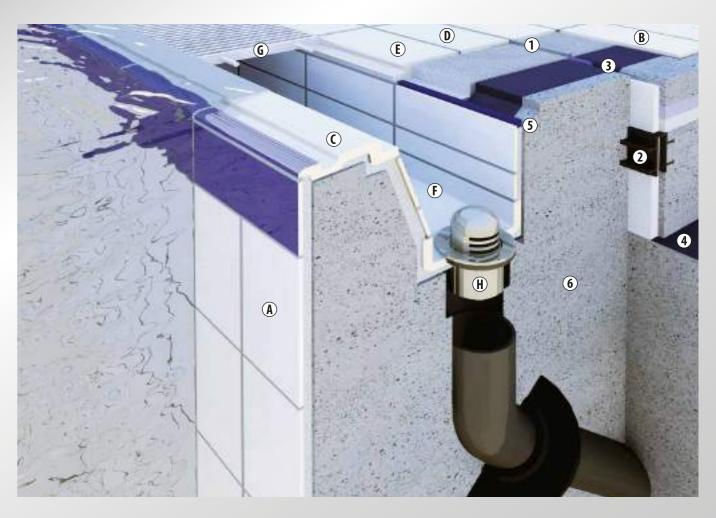
- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- **6** Water resistant concrete

Features:

- Enlarges the "beach effect" and enables a higher water level.
- No reflecting waves from pool edge.
- The complete water level is visible therefore grants swimmers additional safety.
- The water is not blocked by a higher pool edge and therefore avoids disturbing smells or a chlorine concentration.

SYSTEM FINLAND 2

HIGH WATER LEVEL



Item index | System Finland 2

lte	em description	Item no.
Α	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Hand grip tile with grating support	5810
D	Small grooved tile	3130
E	Edging tile with grating support	5830
F	Channel with drainage	4901
G	Grating, rigid	1225
Н	Drain valve, silent, 2 ½"	5202

- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- 6 Water resistant concrete

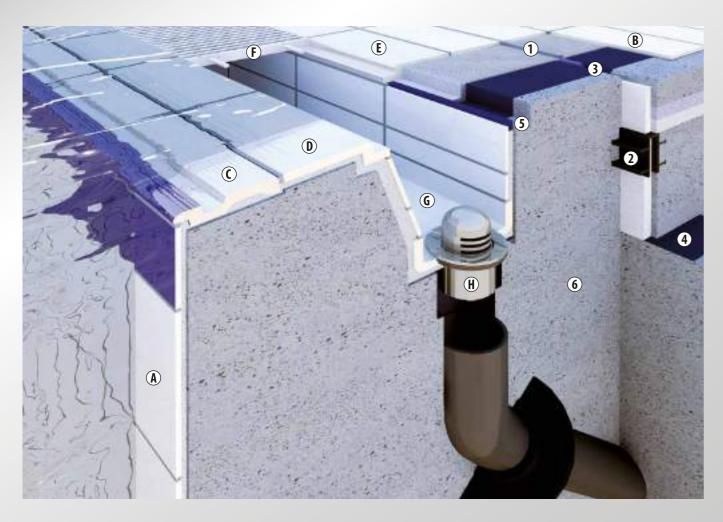
Features:

Same as System Finland 1, but with a shortened "beacheffect" as the pool edge only includes one handgrip tile with a grating support.

SAZEN SARANGE SARANGE

SYSTEM FINLAND 3

HIGH WATER LEVEL



Item index | System Finland 3

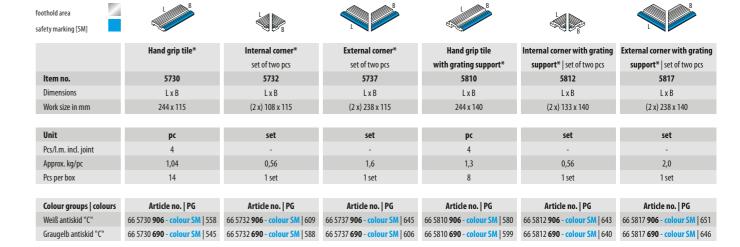
lte	m description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Hand grip tile	5730
D	Grooved tile with grating	5820
	support 107°	
E	Edging tile with grating support	5830
F	Grating, rigid	1225
G	Channel with drainage	4901
Н	Drain valve, silent, 2 ½"	5202

- 1 Expansion joint
- 2 Joint band
- 3 Expansion joint with polyethylen foam round lace
- 4 Slide bearing
- 5 Capillary break joint filling
- **6** Water resistant concrete

Features:

• Like the Finnish channel before but with the use of different shaped tiles for the grating support.

System Finland | width 115 mm | 15 mm shaped pieces | with safety marking



System Finland | width 150 mm | 15 mm shaped pieces | with safety marking

foothold area safety marking	L B		B
	Hand grip tile*	Internal corner*	External corner*
		set of two pcs	set of two pcs
Item no.	5740	5742	5747
Dimensions	LxB	LxB	LxB
Work size in mm	244 x 150	(2 x) 108 x 150	(2 x) 238 x 150
Unit	рс	set	set
Pcs/l.m. incl. joint	4	-	-
Approx. kg/pc	1,45	0,78	2,23
Pcs per box	14	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG
Weiß antiskid "C"	66 5740 906 - colour SM 681	66 5742 906 - colour SM 685	66 5747 906 - colour SM 687
Graugelb antiskid "C"	66 5740 690 - colour SM 680	66 5742 690 - colour SM 684	66 5747 690 - colour SM 686

Advice for the purchase of shaped pieces with safety markings:

- Choose the colour of the foothold area first.
- Add this colour number of the foothold area behind the item number.
- Now choose the colour of the VarioCOLOR range for the safety marking and attach it to the colour number above by adding a hyphen.

Example:

Hand grip tile 5730 - **Weiß antiskid "C"**Safety marking Azurblau antiskid "C"
Article no. with additional colour no.:
66 5730 **906** - 788



System Finland | 15 mm shaped pieces | with safety marking

15 mm shaped pieces | without safety marking















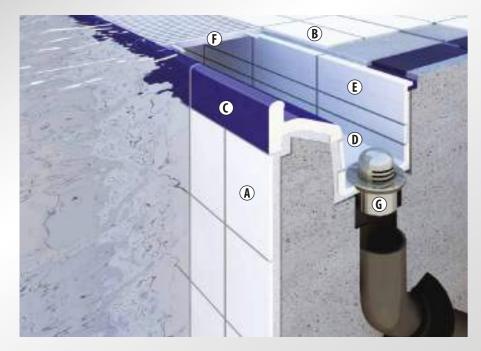
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afety marking						A B	
	Grooved tile*	Internal corner*	External corner*	Edging tile*	Edging tile*	Internal corner*	External corner*
	with grating support 107°	set of two pcs	set of two pcs	with grating support	w. grating support 83°	set of two pcs	set of two pcs
Item no.	5820	5822	5827	5830	5930	5832	5837
Dimensions	LxB	LxB	LxB	LxB	LxB	LxB	LxB
Work size in mm	244 x 140	(2 x) 238 x 140	(2 x) 133 x 140	244 x 140	244 x 140	(2 x) 238 x 140	(2 x) 133 x 140
Unit	рс	set	set	рс	set	set	set
Pcs/l.m. incl. joint	4	-	-	4	4	-	-
Approx. kg/pc	1,2	2,0	1,0	1,1	1,2	2,0	1,0
Pcs per box	8	1 set	1 set	9	9	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
Weiß antiskid "C"	66 5820 906 - colour SM 580	66 5822 906 - colour SM 651	66 5827 906 - colour SM 651	66 5830 906 579	66 5930 906 614	66 5832 906 641	66 5837 906 633
Graugelb antiskid "C"	66 5820 690 - colour SM 599	66 5822 690 - colour SM 646	66 5827 690 - colour SM 646	66 5830 690 573	66 5930 690 604	66 5832 690 633	66 5837 690 621

^{*} Foothold area achieves slip rating "C" by grooves on tile surface.

SYSTEM BERLIN

HIGH WATER LEVEL



Item index | System Berlin

Ite	em description	Item no.
Α	Basic tile standard glazed	1200
В	Basic tile standard antiskid glazed	1200 RH
C	Overflow channel	5150
D	Channel with drainage	4901
E	Angle tile w. grating support	9039
F	Grating, rigid	1220
G	Drain valve, silent, 2 ½"	5202

Features:

Due to the slope inside the channel, noises and fumes are reduced. The edge of the overflow channel is equal to the Wiesbaden channel.

SYSTEM ZÜRICH

HIGH WATER LEVEL



Item index | System Zürich

C Pool edging tileD Channel with draina	1200
C Pool edging tileD Channel with draina	glazed 1200
D Channel with draina	antiskid glazed 1200 RH
	5450
	ge 4901
E Angle tile w. grating	support 9039
F Angle tile w. grating	support 107° 9050
G Grating, rigid	1225
H Drain valve, 2 ½"	5102

Features:

- The water level is on or above the pool surrounding.
- The Zürich channel offers a very good hand grip for swimmers on the pool edge.
- The complete water level is visible and swimmers can be guarded well.

System Berlin









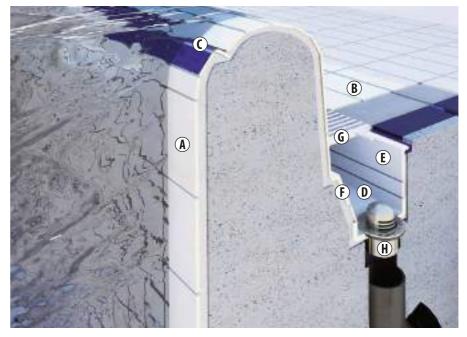
	Overflow channel	1/2 Overflow channel	Internal corner	External corner
			set of two pcs	set of two pcs
Item no.	5150	5155	5152	5157
Dimensions	L x B x H1 H2	L x B x H1 H2	LxBx H	L x B x H1 H2
Work size in mm	244 x 160 x 115 150	119 x 160 x 115 150	(2 x) 158 x 160 x 115 150	(2 x) 244 x 160 x 115 150
Unit	рс	рс	set	set
Pcs/l.m. incl. joint	4	8	-	-
Approx. kg/pc	7,0	3,5	6,5	12,0
Pcs per box	1	2	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR programme*	66 5150 - colour no. 646	66 5155 - colour no. 612	66 5152 - colour no. 658	66 5157 - colour no. 672
Weiß semi gloss	66 5150 901 639	66 5155 901 599	66 5152 901 656	66 5157 901 671
Weiß glossy	66 5150 900 639	66 5155 900 599	66 5152 900 656	66 5157 900 671
Lichtblau glossy	66 5150 710 639	66 5155 710 599	66 5152 710 656	66 5157 710 671

 $[\]mbox{\ensuremath{^{\star}}}\xspace$ Different price groups within the colour group are listed separately.

SYSTEM BERLIN

SYSTEM ST. MORITZ

ELEVATED POOL EDGE SYSTEM



Item index | System St. Moritz

Ite	em description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard antiskid glazed	1200 RH
C	Basic tile, long edge rounded	1200 LR
D	Channel with drainage	4901
E	Angle tile w. grating support	9039
F	Angle tile w. grating support \mid 107 $^{\circ}$	9050
G	Grating, rigid	1225
Н	Drain valve, silent, 2 ½"	5202

Features:

- Lower foundation depth with less excavation work.
- Swimming over the level of the pool surrounding enables swimmers to have a good overall view.
- Variable sizes of channels are possible.

SYSTEM SKIMMER | FOR FLAT POOL EDGES AND SURROUNDINGS

ALSO FOR SYSTEM WIESBADEN AND SYSTEM ZÜRICH WITH LOW WATER LEVEL



Item index | System Skimmer

5 Capillary break joint filling

6 Water resistant concrete

lte	em description	Item no.
A	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Pool edging tile	5750
1	Expansion joint	
2	Joint band	
3	Expansion joint with polyethylen foa	m round lace
4	Slide bearing	

SKIN FR SKIN FR

System Skimmer | shaped pieces with vertical front/hand grip













	Pool edging tile	Internal corner	External corner	Pool edging tile	Internal corner	External corner with vertical
	with vertical front	set of two pcs	with vertical front set of two pcs	with vertical front/hand grip	with hand grip set of two pcs	front/hand grip set of two pcs
Item no.	5400	5402	5407	5450	5452	5457
Dimensions	LxBxH	LxB	LxBxH	LxBxH	LxB	LxBxH
Work size in mm	244 x 180 x 100	(2 x) 173 x 180	(2 x) 238 x 180 x 100	244 x 180 x 115	(2 x) 173 x 180	(2 x) 238 x 180 x 115
Unit	рс	set	set	рс	set	set
Pcs/l.m. incl. joint	4	-		4		
Approx. kg/pc	3,3	1,6	4,8	3,3	1,7	4,9
Pcs per box	3	4 sets	1 set	3	2 sets	1 set
Colour groups colours	Article no. PG					
Weiß, antiskid	66 5400 906 - colour VF 620	66 5402 906 - colour VF 635	66 5407 906 - colour VF 663	66 5450 906 - colour VF 633	66 5452 906 - colour VF 636	66 5457 906 - colour VF 669
Graugelb antiskid	66 5400 690 - colour VF 617	66 5402 690 - colour VF 630	66 5407 690 - colour VF 662	66 5450 690 - colour VF 628	66 5452 690 - colour VF 630	66 5457 690 - colour VF 668

System Skimmer | shaped pieces with safety marking















, , , , , ,						
	Pool edging tile	Internal corner	External corner	Edging tile*	Internal corner*	External corner*
	[also available in half size format]	set of two pcs	set of two pcs	with safety marking	set of two pcs	set of two pcs
Item no.	5750	5752	5757	5480	5482	5487
Dimensions	LxBxH	L	LxBxH	LxBxH	L	LxBxH
Werkmaß in mm	244 x 115 x 45	(2 x) 115	(2 x) 238 x 115 x 45	244 x 118 x 50	(2 x) 115	(2 x) 238 x 118 x 50
Unit	рс	set	set	рс	set	set
Pcs/l.m. incl. joint	4		-	4	-	-
Approx. kg/pc	1,2	0,53	1,70	0,9	0,52	1,8
Pcs per box	10	1 set	1 set	9	1 set	1 set
Colour groups colours	Article no. PG	Article no. PG				
Weiß, antiskid	66 5750 906 - colour SM 583	66 5752 906 - colour SM 620	66 5757 906 - colour SM 652	66 5480 906 - colour SM 578	66 5482 906 - colour SM 620	66 5487 906 - colour SM 65
Graugelb antiskid	66 5750 690 - colour SM 568	66 5752 690 - colour SM 617	66 5757 690 - colour SM 649	66 5480 690 - colour SM 570	66 5482 690 - colour SM 617	66 5487 690 - colour SM 64

^{*} Foothold area achieves slip rating "C" by grooves on tile surface.

System Skimmer | surface to be covered with tiles | shaped pieces







reracar none, nana grip [11]	Ť	2 17	
	Pool edging tile	Internal corner	External corner
	with vertical front	set of two pcs	set of two pcs
Item no.	5460	5462	5467
Dimensions	LxBxH	LxBxH	LxBxH
Werkmaß in mm	244 x 180 x 115	(2 x) 173 x 180 x 25	(2 x) 238 x 180 x 115
Unit	рс	set	set
Pcs/l.m. incl. joint	4	-	-
Approx. kg/pc	3,49	1,5	6,6
D	2	2	4

Colour groups | colours
 Article no. | PG
 Article no. | PG
 Article no. | PG

 Graugelb unglazed
 66 5460 690 - colour VF | 633
 66 5462 690 - colour VF | 635
 66 5467 690 - colour VF | 665

Advice for the purchase of shaped pieces with safety marking or grip support:

- Choose the colour of the foothold area first.
- Add this colour number of the foothold area behind the item number.
- Now choose the colour of the VarioCOLOR range for the safety marking or the grip support and attach it to the colour above by adding a hyphen.

Example

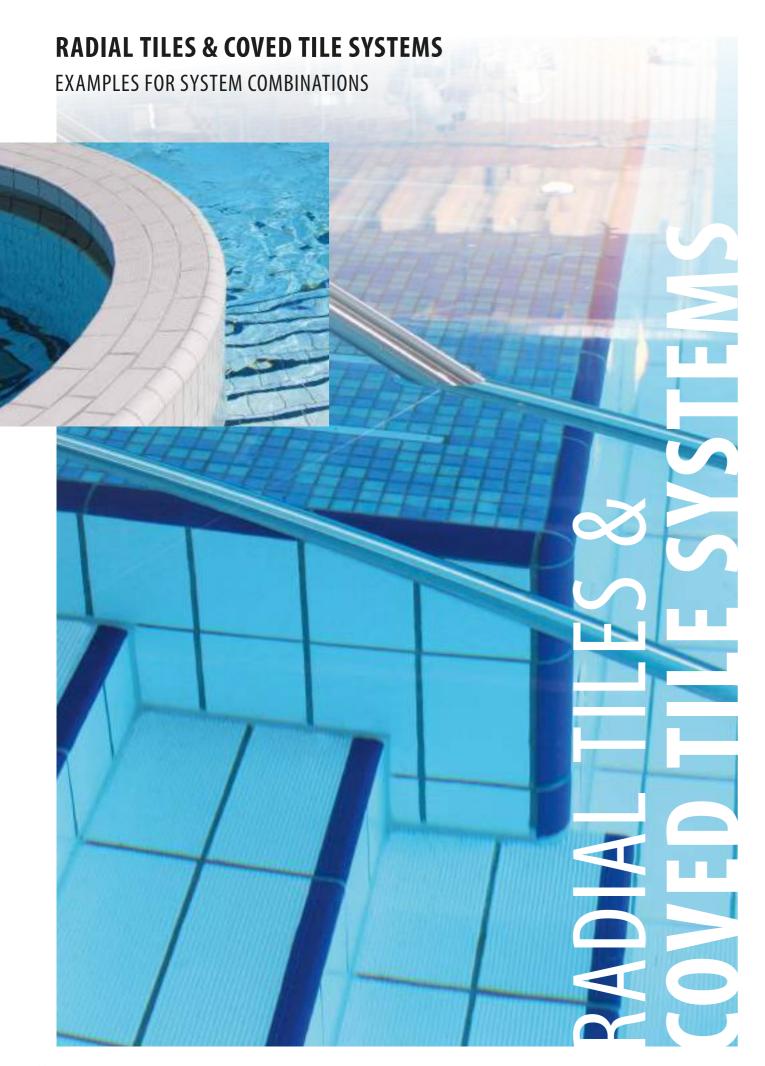
Pool edging tile 5400 - Weiß antiskid "B"

grip support - Lichtblau glossy

Article no. with additional colour indications: 66 5400 906 - 710

FURTHER
COLOUR COMBINATIONS
UPON REQUEST

31



Radial tiles | 7,5 mm shaped pieces | radius 30 mm [average radius approx. 30 mm, ext. radius depending on the joint width up to 40 mm]









	Radial tile	External corner 3	External corner 2	Internal corner
Item no.	9450	9453	9454	9452
Dimensions	LxH r	r	L x B r	LxB r
Work size in mm	244 x 30 r ca. 30	r ca. 30	40 x 40 r ca. 30	70 x 70 r ca. 30
Unit	рс	рс	рс	рс
Pcs/l.m. incl. joint	4	-	-	
Approx. kg/pc	0,30	0,09	0,09	0,07
Pcs per box	50	-	-	

Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG
/arioCOLOR semi gloss*	66 9450 - colour no. 520	66 9453 - colour no. 532	66 9454 - colour no. 532	66 9452 - colour no. 560
/arioCOLOR antiskid "B/C"*	66 9450 - colour no. 525	66 9453 - colour no. 532	66 9454 - colour no. 532	66 9452 - colour no. 560
Weiß semi gloss	66 9450 901 512	66 9453 901 528	66 9454 901 528	66 9452 901 555
Weiß glossy	66 9450 900 512	66 9453 900 528	66 9454 900 528	66 9452 900 555
Graugelb unglazed	66 9450 690 512	66 9453 690 528	66 9454 690 528	66 9452 690 555



Radial tiles | 7,5 mm shaped pieces | radius 60 mm [average radius approx. 60 mm, ext. radius depending on the joint width up to 70 mm]











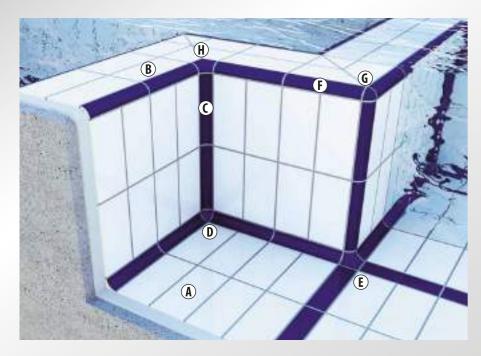
	Radial tile	External corner 3	External corner 2	External corner K8	Internal corner R86
Item no.	6450	6453	6454	6457	6462
Dimensions	LxH r	r	r	r ¹ x r ²	L x B x r ¹ x r ²
Work size in mm	244 x 60 r approx. 60	r approx. 60	r approx. 60	approx. 60 x approx. 30	90 x 90 x approx. 60 x approx. 30
Unit	рс	рс	рс	рс	рс
Pcs/l.m. incl. joint	4	-	-	-	
Approx. kg/pc	0,40	0,10	0,10	0,10	0,10
Pcs per box	36	-	-	-	
Colour groups colours	Article no. PG				
VarioCOLOR semi gloss*	66 6450 - colour no. 538	66 6453 - colour no. 559	66 6454 - colour no. 559	66 6457 - colour no. 574	66 6462 - colour no. 574
VarioCOLOR antiskid "B/C"*	66 6450 - colour no. 539	66 6453 - colour no. 559	66 6454 - colour no. 559	66 6457 - colour no. 574	66 6462 - colour no. 574
Weiß semi gloss	66 6450 901 534	66 6453 901 553	66 6454 901 553	66 6457 901 569	66 6462 901 569



^{*} Different price groups within the colour group are listed separately.

SYSTEM COMBINATIONS

COVED AND RADIAL TILES SYSTEM 30 MM



Item index | system combination 30 mm

	1 /	
lte	m description	Item no.
Α	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Coved tile	4100
D	Internal corner to coved tile,	4102
	for three sides connected	
E	External corner to coved tile, with	4107
	connection to radial tiles 30 mm	
F	Radial tile, radius 30 mm	9450
G	External corner to radial	9453
	tiles, with three sides connected	
Н	Internal corner to radial tiles 30 mm,	9452
	with connection to coved tile	

SYSTEM COMBINATIONS

COVED TILES AND RADIAL TILES SYSTEM 60 MM



Item index | system combination 60 mm

lte	m description	ltem no.
A	Basic tile standard glazed	1200
В	Basic tile standard \mid antiskid \mid glazed	1200 RH
C	Coved tile	4100
D	Internal corner to coved tile,	4102
	for three sides connected	
E	External corner to coved tile,	6457
	with connection to radial tiles 60 mm	l
F	Radial tile, radius 60 mm	6450
G	External corner to radial tiles 60 mm,	6453
	for three sides connected	
Н	Internal corner to radial tiles 60 mm,	6462
	with connection to coved tile	

Coved skirting system | 6,5 mm shaped pieces







		set of two pcs	set of two pcs
Item no.	4000	4002	4007
Dimensions	LxHxT1 T2	L x H x T1 T2	L x H x T1 T2
Work size in mm	244 x 100 x 6,5 16,5	(2 x) 244 x 100 x 6,5 16,5	(2 x) 244 x 100 x 6,5 16,5
Unit	рс	set	set
Pcs/l.m. incl. joint	4		
Approx. kg/pc	0,56	1,1	1,1
Pcs per box	20	10 sets	10 sets
Colour groups colours	Article no. PG	Article no. PG	Article no. PG
VarioCOLOR semi gloss*	66 4000 - colour no. 523	66 4002 - colour no. 552	66 4007 - colour no. 552



Coved tile system | 7,5 mm shaped pieces

VarioCOLOR unglazed

Weiß semi gloss

Graugelb unglazed



66 4000 - colour no. | 764

66 4000 **900** | 507

66 4000 **690** | 507



66 4002 - **colour no.** | 765

66 4002 **900** | 546 66 4002 **690** | 546



66 4007 **900** | 546

66 4007 **690** | 546







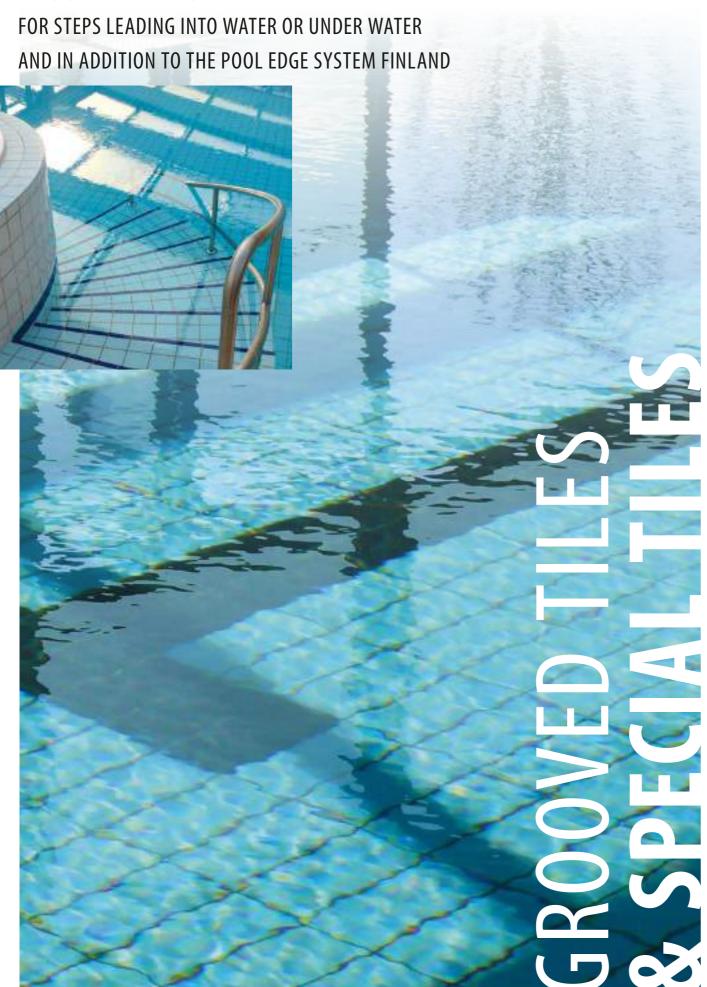
35

	н	н	B	L B	L B	
	Coved tile	Coved stop end	Coved corner tile left	Coved corner tile right	External corner for coved skirting	Internal corner
Item no.	4100	4101	4104	4106	4107	4102
Dimensions	LxBxH r	L x B x H r	LxBxH	LxBxH	L x B r	r
Work size in mm	244 x 40 x 40 r = 30	244 x 40 x 40 r = 30	145 x 40 x 40	145 x 40 x 40	70 x 70 r = 30	r = 30
Unit	рс	рс	рс	рс	рс	рс
Pcs/l.m. incl. joint	4	-	-	-	-	-
Approx. kg/pc	0,36	0,36	0,22	0,22	0,15	0,05
Pcs per box	48	-	-	-	-	
Colour groups colours	Article no. PG	Article no. PG				
VarioCOLOR semi gloss*	66 4100 - colour no. 517	66 4101 - colour no. 532	66 4104 - colour no. 530	66 4106 - colour no. 530	66 4107 - colour no. 552	66 4102 - colour no. 530
Weiß semi gloss	66 4100 901 507	66 4101 901 527	66 4104 901 528	66 4106 901 528	66 4107 901 546	66 4102 901 528
Weiß glossy	66 4100 900 507	66 4101 900 527	66 4104 900 528	66 4106 900 528	66 4107 900 546	66 4102 900 528
Graugelb unglazed	66 4100 690 507	66 4101 690 527	66 4104 690 528	66 4106 690 528	66 4107 690 546	66 4102 690 528



^{*} Different price groups within the colour group are listed separately.

GROOVED TILES & SPECIAL TILES



Grooved tiles & special tiles | 10 mm shaped pieces [also available in 15 mm thickness, surcharge 20 %]

safety marking [SM]				
	Small grooved tile*	Small grooved tile, long edge rounded with safety marking*	Large grooved tile*	Large grooved tile, long edge rounded with safety marking*
Item no.	3130	3136	3190	3196
Dimensions	L x B	L x B	LxB	LxB
Work size in mm	244 x 119	244 x 119	244 x 150	244 x 150
Unit	рс	рс	рс	рс
Pcs/l.m. incl. joint Pc/m²	32	4	26	4
Approx. kg/pc	0,53	0,51	8,0	0,79
Pcs per box	23	30	16	24
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG

Shaped pieces rounded	Rounded edges PG	Rounded edges PG	Rounded edges PG	Rounded edges PG
	short rounded edge - KR 509	short rounded edge - KR 538	short rounded edge - KR 538	short rounded edge - KR 552

66 3136 **906 - colour SM** | 530

66 3136 **690 - colour SM** | 509

66 3130 - **colour no.** | 508

66 3130 **906** | 506

66 3130 **690** | 501

Grooved tiles & special tiles | 10 mm shaped pieces

VarioCOLOR semi gloss

Graugelb antiskid "C"

Weiß antiskid "C"

3195 LxB



L x B 244 x 115



A I 4 T .	

Angle step tile
th grooved surface*
5700
LxBxH

Init	рс	рс	рс
cs/l.m. incl. joint Pc/m²	4	4	4
pprox. kg/pc	0,4	0,4	0,84
cs per box	44	44	10

Article no. PG	Article no. PG	Article no. PG
-	66 4710 906 - colour SM 530	66 5700 906 - colour SM 564
66 3195 - colour no. 524	66 4710 690 - colour SM 509	66 5700 690 - colour SM 552
		66 5700 906 540
-	-	66 5700 690 535
	- 66 3195 - colour no. 524 -	66 4710 906 - colour SM 530 66 3195 - colour no. 524 66 4710 690 - colour SM 509

 $[\]ensuremath{^{*}}$ Foothold area achieves slip rating "C" by grooves on tile surface.

Advice for the purchase of shaped pieces with safety marking or grip support:

- Choose the colour of the foothold area.
- Add this colour number of the foothold area behind the article number.
- Now choose the colour of the VarioCOLOR range for the safety marking or the grip support and attach it to the colour of the foothold area by adding a hyphen.

Example:

Small grooved tile 3136 - foothold area: Weiß antiskid "C"

Safety marking: Azurblau antiskid "C"

Article number with additional colour indications: 66 3136 906 - 788

Instructions for ordering shaped pieces rounded:

Please add the following abbreviations to the article number: Short rounded edge: **KR** | Long rounded edge: **LR** Corner rounded left: ERL | Corner rounded right: ERR





66 3190 - **colour no.** | 535

66 3190 **906** | 530

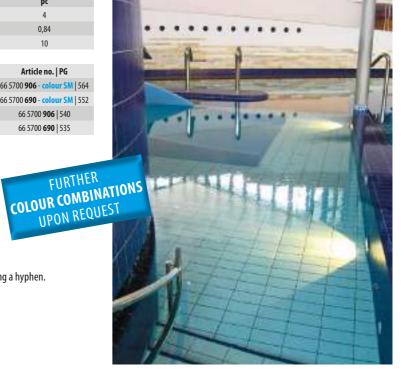
66 3190 690 | 511



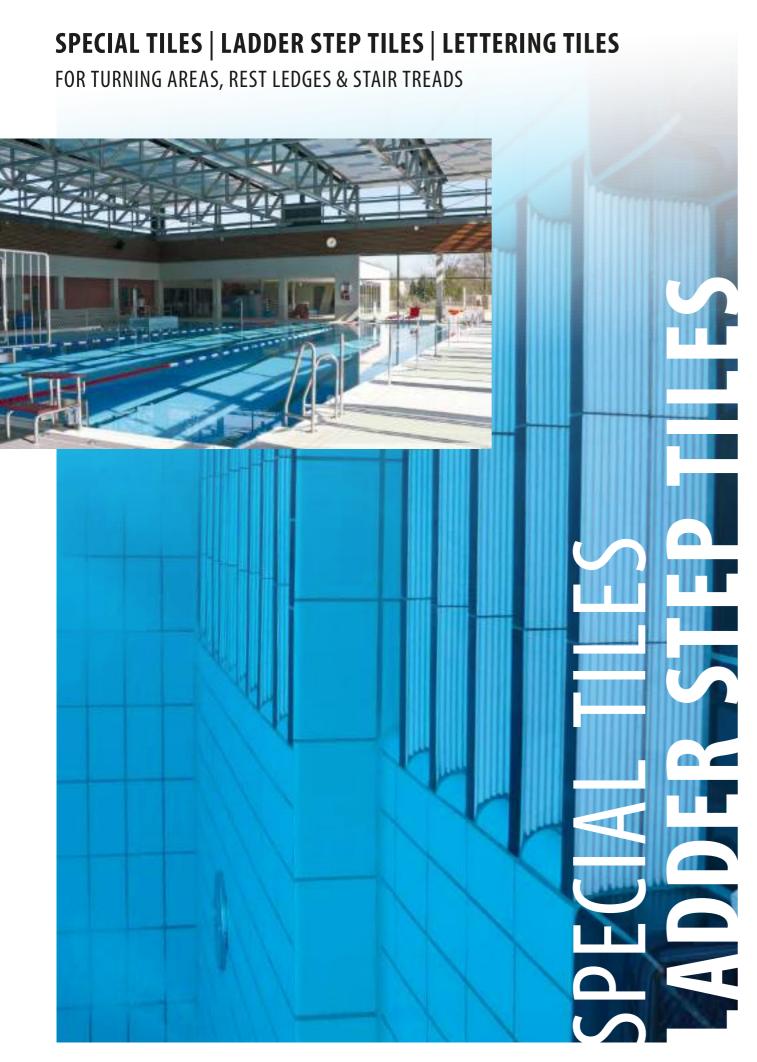


66 3196 **906 - colour SM** | 546

66 3196 **690 - colour SM** | 526



^{*} Also available in half size format [price 80 % of full size format]. | Foothold area achieves slip rating "C" by grooves on tile surface.



Special tiles | 10 mm shaped pieces [also available in 15 mm thickness, surcharge 20 %]













	Diamond shaped tile [only available in 10 mm thickness]	Large tile*	Large tile short edge rounded	Large tile long edge rounded*	Large tile corner left rounded	Large tile corner right rounded
Item no.	3170	1150	1155	1156	1157	1158
Dimensions	LxB	LxB	LxB	LxB	LxB	LxB
Work size in mm	244 x 119	244 x 150	244 x 150	244 x 150	244 x 150	244 x 150
Unit	рс	рс	рс	рс	рс	рс
Pcs/l.m. incl. joint Pc/m ²	32	26	6,5	4	-	
Approx. kg/pc	0,56	0,84	0,82	0,80	0,78	0,78
Pcs per box	30	24	24	24	24	24

Colour groups colours	Article no. PG					
VarioCOLOR semi gloss**	66 3170 - colour no. 509	66 1150 - colour no. 503	66 1155 - colour no. 513	66 1156 - colour no. 513	66 1157 - colour no. 513	66 1158 - colour no. 513
Weiß semi gloss	66 3170 901 507	66 1150 901 502	66 1155 901 506	66 1156 901 506	66 1157 901 506	66 1158 901 506
Weiß glossy	66 3170 900 507	66 1150 900 502	66 1155 900 506	66 1156 900 506	66 1157 900 506	66 1158 900 506
Lichtblau glossy	66 3170 710 507	66 1150 710 502	66 1155 710 506	66 1156 710 506	66 1157 710 506	66 1158 710 506
Weiß antiskid	66 3170 906 507	66 1150 906 504	66 1155 906 508	66 1156 906 508	66 1157 906 508	66 1158 906 508
Graugelb unglazed	66 3170 690 505	66 1150 690 501	66 1155 690 505	66 1156 690 505	66 1157 690 505	66 1158 690 505

^{*} Also available in half size format [price 80 % of full size format]. |** Different price groups within the colour group are listed separately.

Lettering tiles | 10 or 7,5 mm | Digitally printed or water-jet cut

WT 1,20 m



Item no. Dimensions Work size in mm	Lettering tile digitally printed 1100 LxBxH 240 x 115 x 10 244 x 119 x 7,5	Lettering tile water-jet cut 1100 LxBxH 240 x 115 x 10 244 x 119 x 7,5
Unit	рс	рс
Pcs/l.m. incl. joint Pc/m²	4	4
Approx. kg/pc	0,6 0,49	0,6 0,49
Pcs per box	-	-

Colour groups colours	Article no. PG	Article no. PG
Weiß antiskid "C"	-	66 1100 906 - VarioCOLOR colour no. 649
Graugelb unglazed	66 1100 690 649	66 1100 690 - VarioCOLOR colour no. 649

Advice for the purchase of lettering tiles:

- The lettering tiles are produced according to order. The price depends on the size of the letters and the required surface.
- Inscription of selected shaped pieces is also possible.
- Please request price for creative versions.



Ladder step tiles

antiskid "C" front side





Ladder step tile	Ladder step tile
long*	short*
5565	5560
LxBxH	LxBxH
280 x 80 x 50	244 x 80 x 50
рс	рс
3,66	4,00
1,6	1,49
8	8

Article no. PG	Article no. PG
66 5565 906 - colour no. 612	66 5560 906 - colour no. 612
66 5565 690 - colour no. 607	66 5560 690 - colour no. 607

^{*} Foothold area achieves slip rating "C" by grooves on tile surface.

Advice for the purchase of ladder step tiles:

- Always choose a foothold area on top in white or grey-yellow antiskid "C".
- Now choose the colour of the VarioCOLOR range for the front section and attach it to the colour above by adding a hyphen.

Example:

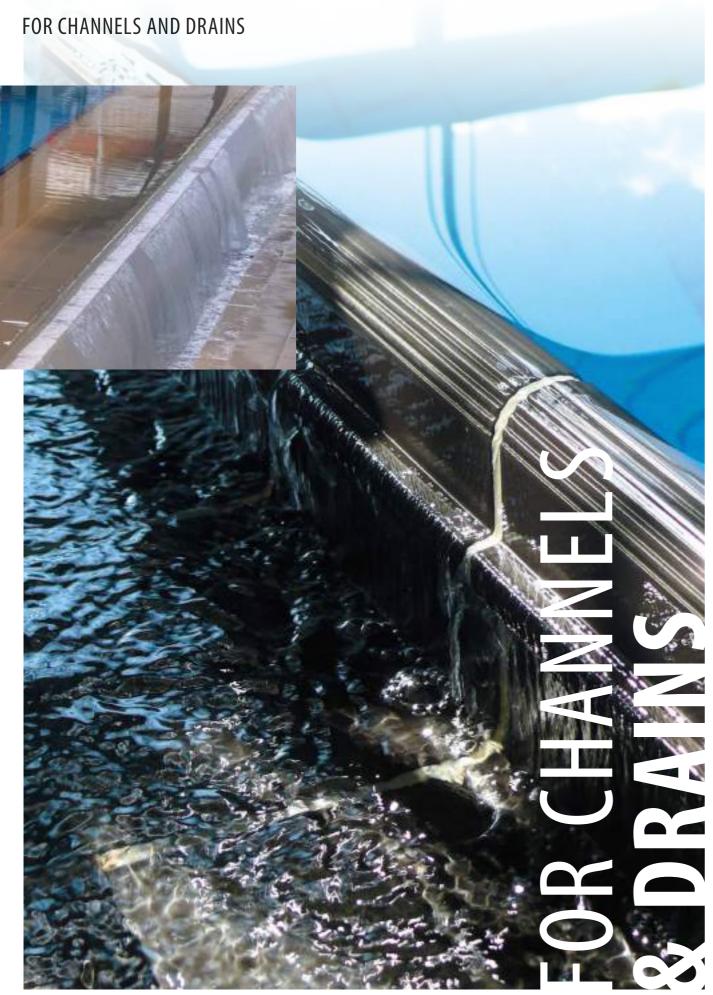
Ladder step tile 5565

Foothold area on top: Weiß antiskid "C"

Front section VarioCOLOR Lichtblau glossy

Article no. with additional colour indications: 66 5565 **906** - **710**

SPECIAL TILES



Special tiles for channels and drains | 15 mm











	Angle tile	Angle tile	Channel	½ Channel	Channel with drainage	External angle tile
	with grating support	with grating support 107°	for channel cladding	for channel cladding	for channel cladding $ \phi = 85 \text{ mm}$	
Item no.	9039	9050	4900	4905	4901	4822
Dimensions	L x B x T1 x T2	LxBxHxT1 T2	L x B x H inside: 150 mm	L x B x H inside: 150 mm	L x B x H inside: 150 mm	LxBxHxT
Work size in mm	244 x 115 x 25 x 10	244 x 115 x 25 x 10	244 x 180 x 65	119 x 180 x 65	244 x 180 x 65	244 x 115 x 52 x 10
Unit	рс	рс	рс	рс	рс	рс
Pcs/l.m. incl. joint pc/m ²	4	4	4	8	4	4
Approx. kg/pc	0,76	0,76	2,3	1,15	2,0	0,9
Pcs per box	16	16	4	8		10
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
Weiß semi gloss	66 9039 901 524	66 9050 901 531	66 4900 901 555	66 4905 901 547	66 4901 901 595	44 4822 901 527
Weiß glossy	66 9039 900 524	66 9050 900 531	66 4900 900 555	66 4905 900 547	66 4901 900 595	44 4822 900 527

Special tiles for waste water channels



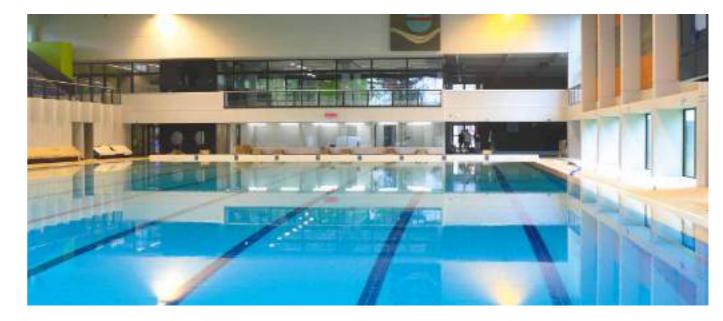








	Gutter tile for open channel systems	½ Gutter tile for open channel systems	Mitred pair set of two pcs	Drainage for 1 $\frac{1}{2}$ " $\emptyset = 50 \text{ mm}$	Stop end
Item no.	4500	4505	4502	4501	4504
Dimensions	LxBxH	LxBxH	LxBxH	LxBxH	LxBxH
Work size in mm	244 x 150 x 35	119 x 150 x 35	(2 x) 238 x 150 x 35	244 x 150 x 35	244 x 150 x 35
Unit	рс	рс	set	рс	рс
Pcs/l.m. incl. joint pc/m ²	4	8	•	-	-
Approx. kg/pc	1,6	8,0	1,3	1,4	1,7
Pcs per box	8	16	1 set	8	8
Colour groups colours	Article no. PG	Article no. PG	Article no. PG	Article no. PG	Article no. PG
Weiß antiskid "C"	66 4500 908 542	66 4505 908 536	66 4502 908 600	66 4501 908 600	66 4504 908 600
Graugelb unglazed	66 4500 690 536	66 4505 690 529	66 4502 690 596	66 4501 690 596	66 4504 690 596



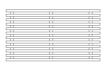


Gratings for channels | height: 22 mm



76 1235 **- colour no.** | 910 76 1240 - **colour no.** | 922



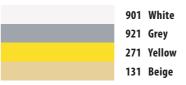


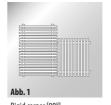
			·
	standard length 885 mm	standard length 2000-3000 mm	standard length 2000 mm
Benefits	economical	easy to handle	excellent water flow off
Grating width	Article no. PG/I.m.	Article no. PG/l.m.	Article no. PG/l.m.
150 mm	76 1215 - colour no. 904	76 3215 - colour no. 909	76 2215 - colour no. 910
185 mm	76 1218 - colour no. 904	76 3218 - colour no. 912	76 2218 - colour no. 912
200 mm	76 1220 - colour no. 904	76 3220 - colour no. 912	76 2220 - colour no. 912
250 mm	76 1225 - colour no. 906	76 3225 - colour no. 914	76 2225 - colour no. 916
300 mm	76 1230 - colour no 008	76 3 230 - colour no 017	76 2230 - colour no 020

Corners	rs Article no. PG extra charge for corner Article no. PG extra cha		Article no. PG extra charge for corner
Rigid corner [90°]		76 3201 - colour no. 914	-
Mitred corner [75-120°]	76 1202 - colour no 914	76 3202 - colour no 914	76 2202 - colour no 914

Radius	Article no. PG extra charge/l.m.	Article no. PG extra charge/l.m.	Article no. PG extra charge/l.m.
up to 300 mm width	76 1203 - colour no. 924	76 3203 - colour no. 924	upon request
up to 500 mm width	76 1205 - colour no 930	76 3205 - colour no 930	unon requect

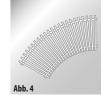
COLOURS FOR GRATINGS











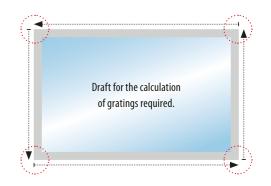
Mitred corner [75-120°], for parallel gratings

[300 up to 500 mm width]

Important advice for the purchase of gratings for channels:

- Please add the colour no. to the item number.
- Covering gratings are specially produced for projects in order to fit. Therefore exact measurements are required.
- Custom made curved-gratings and corners can be manufactured on behalf of stencils on paper for example.
- The price groups [PG] listed on this page refer to the displayed items in the standard colours. Individual colours, sizes and special corners are available upon request.
- Please consider that additionally to the pool length the specific width of the channel has to be considered for the calculation [outside measurements according to the drawing on the right].
- Per corner an additional surcharge must be considered which depends on the specific shape of the corner.

ABS plastic RAL 7040 [approx. 0,22 kg] ABS plastic RAL 7040 [approx. 0,07 kg]



Drain valves



for ø 85 mm

120 l/min

Article no. | PG/pc

76 5202 910 | 901



Drain valve 11/5"

for ø 45 mm

with screw nut

Article no. | PG/pc

76 5201 910 | 659



for ø 85 mm

155 l/min

with screw nut | gunmetal, surface

polished nickel/tin [ca. 1,47 kg]

Article no. | PG/pc

76 5202 920 | 915



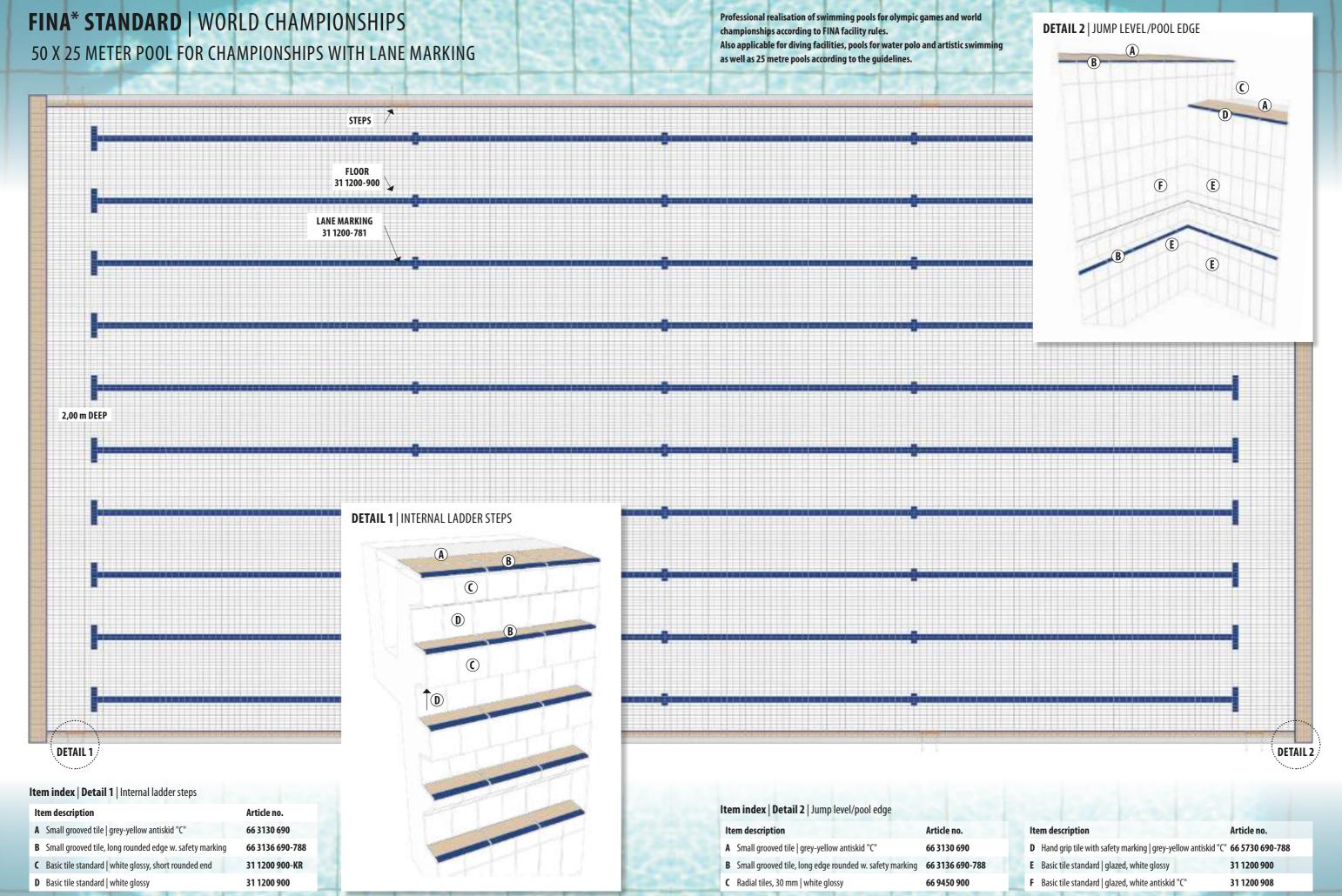


for ø 85 mm 147 I/min

Drain valve 11/2" for ø 50 mm 36 l/min with screw nut | gunmetal, surface with screw nut | gunmetal, surface polished nickel/tin [ca. 0,32 kg] polished nickel/tin [ca. 1,60 kg]

Article no. | PG/pc 76 5102 920 | 902

Article no. | PG/pc 76 5101 920 | 900



TECHNICAL INFORMATION





Cleaning and maintenance

Cleaning instructions for ceramic tiles

Compared to other covering materials, ceramic tiles grant excellent properties in maintenance. Long durability, easy cleaning combined with best hygiene characteristics and high functionality in private and public areas are the best reasons for this strong and decorative material. **interbau-blink** glazed and unglazed tiles are ideal for cleaning without problems. Please consider never to use cleaning agents containing hydrofluoric acid or its compounds (fluorides). They attack every ceramic even if diluted with plenty of water. Of course it makes sense to keep foot-scrapers, floor mats, cleaning zones and entrance areas clean too, in order to prevent the dirt getting inside in the first place.

For cleaning the following principles apply:

- 1. Choice of the appropriate cleaning agent.
- 2. Allow the cleaning agent sufficient time to act upon the dirt and to loosen it.
- 3. The process must be supported mechanically by brushing or wiping. Do not use pads or brushes with abrasive grain addition!
- 4. Collect the separated dirt thoroughly by washing and absorbing.

The first cleaning that takes place immediately after finishing the laying works should be done as follows:

First the coarse dirt is removed by sweeping. Afterwards, thorough cleaning follows by applying the appropriate cleaner. Cement residues can be removed with acid cleaning agents, so-called cement film removers. Please consider that acid cleaners attack cement joints. This can be prevented by protecting the joint through prewetting and thorough cleaning of the covering with clear water afterwards. Depending on the concentration, neutralization shall take place. Normal dirt can be removed best with alkaline or neutral cleaners.

Heavily frequented areas:

The cleaning is required according to the degree of dirt. In case of heavily frequented areas, cleaning should take place several times a day. In general, it is sufficient to use commercially available cleaners for the regular cleaning. Please consider that cleaners with combined long-term preparation possibly may cause layers of fat, wax or synthetic layers, which may have negative influence on the slip resistance and might harm the visual properties of the tile.

Difficult stains:

The easiest way to remove difficult stains, calcareous deposits, urine stone and metal abrasion residues is the application of acid cleaners. Consider to remove the acid cleaner completely by rinsing with clear water or neutralizing after sufficient time for the cleaner to act upon the dirt. Paint drops, tar or similar residues can easily be removed with gasoline, acetone or caustic pastes. This also applies for epoxy resin. Grease, wax and oil can be loosened by highly alkaline cleaners and are easy to remove afterwards.

Unglazed ceramics:

Unglazed ceramics without impregnation may show stains caused by this contamination, which can not be completely removed again. Unglazed ceramic tiles without in-plant upgrading should be impregnated as prevention in cases where practical experience shows that the floor may come into contact with grease or oil.

Special ceramics:

In our production programme you will find a wide range of slip resistant glazed and unglazed tiles. These products are specially developed for application in public, commercial, industrial areas as well as wet barefoot areas like swimming pools, showers, saunas etc. Depending on the area of application they have rough or profiled surfaces. The most effective method of cleaning is granted with brushing machines, high-pressure or vapour pressure cleaners. Do not use brushes or pads containing abrasives as they will have a negative impact on the slip resistance of the tile. Take care that the tile surface is thoroughly rinsed from cleaning liquids and disinfection liquids with clear water in order to prevent the floor covering to become slippery. For first and general cleaning we propose alkali based cleaning liquids. An acid cleaning should just be made from time to time depending on the degree of dirt and mainly depends on the type of water used. The German organization "Deutsche Gesellschaft für das Badewesen" has established a list with tested cleaning liquids for ceramic surfaces in swimming pools. These cleaners will also be proposed on our behalf for the cleaning of our tiles. Impregnation of glazed or unglazed ceramic surfaces may alter the performance characteristics (visual properties, slip resistance) of the ceramic.

Minimal iron lumps

Due to the nature of ceramics minimal iron lumps may occur, which in single cases appear as small black spots. They do not influence the visual effect or quality.

Wet barefoot areas

Test procedure: Inclined plane, walked on barefoot, wetting agent solution as test medium. The surfaces are smooth, micro-rough, or slightly profiled. The respective areas are assigned to the valuation groups. Not all wet barefoot areas can be considered.

Valuation group A: Barefoot passages [nearly dry], individual and common dressing rooms, pool floors in the non-swimmer areas if the water depth is more than 80 cm in the entire area

Valuation group B: Barefoot passages [not classified in group A], showers, areas of desinfecting spray facilities, pool surrounds, pool floors in the non-swimmer areas [if the water depth is less than 80 cm in certain areas], pool floors in the non-swimmer areas of wave-action pools, moveable floors and paddling pools, ladders and stairs outside the pool area, sauna and relaxation areas [not classified in group A]

Valuation group C: Barefoot passages [not classified in group B], walk-through pools, inclined pool edge designs, ladders leading into the water, stairs leading into the water with a maximum width of 1 m and handrails on both sides

Test on "inclined plane"						
Valuation groups	An					
A	≥ 12°					
В	≥ 18°					
C	≥ 24 °					

Advice: Tiles with the characteristic "B" resp. "C" and "B/C" for slip resistance should only be used in wet barefoot areas because of increased cleaning requirement.

Valid standards and test results

General standards and tests EN 14411 group	Standard Al_a extruded stoneware	Test Value	Standard Al_b extruded stoneware	Test Value	Standard Bl _a dry pressed fine stoneware	Test Value	Standard BI _b extruded stoneware	Test Va
E = water absorption	< 0,5 %		0,5 < E ≤ 3%		< 0,5 %		0,5 < E ≤ 3%	
Dimensions and surface properties								
Length and width: Permissible deviation from work size	± 1,0 %	fulfilled	± 1,0 %	fulfilled	± 0,75 %	fulfilled	± 0,75 %	fulfill
Thickness: Permissible deviation from work size	± 10 %	fulfilled	± 10 %	fulfilled	±5%	fulfilled	±5%	fulfil
Straightness of sides: Permissible deviation referring to the length of the sides	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfil
Rectangularity: Permissible deviation referring to the length of the sides	± 1,0 %	fulfilled	± 1,0 %	fulfilled	± 0,6 %	fulfilled	± 0,6 %	fulfil
Surface flatness: Permissible deviation a) as centre camber of the diagonal, calculated from the work size	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfil
b) as side camber referring to the	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfi
corresponding work size c) as inclined plane referring to the diagonal, calculated from the work size	± 0,8 %	fulfilled	± 0,8 %	fulfilled	± 0,5 %	fulfilled	± 0,5 %	fulfil
Surface quality: Accepted tiles	at least 95 %	fulfilled	at least 95 %	fulfilled	at least 95 %	fulfilled	at least 95 %	fulfi
Physical Properties Water absorption (average value in %)	< 0,5 %	< 0,5 %	0,5 < E ≤ 3,0 %	< 1,5 %	< 0,5 %	< 0,5 %	0,5 < E ≤ 3,0 %	< 2,
Breaking load in N/mm² depending on the thickness of the material	7,5 mm >	> 1.100 N	9 mm	> 1.280 N > 1.620 N > 2.000 N	10 mm :	> 2.000 N	8 mm	> 720 N > 1.030 N > 1.280 N > 1.620 N > 2.000 N
Frost resistance	required	fulfilled	required	fulfilled	required	fulfilled	required	fulfi
Resistance to surface abrasion of glazed tiles	class I - IV	acc. to specifications	class I - IV	acc. to specifications	class I - IV	acc. to specifications	class I - IV	acc. to spe
Resistance to abrasion of unglazed tiles/loss in volume in mm³	max. 275	< 210	max. 275	< 210	max. 175		max. 275	< 2
Thermal shock resistance	required	fulfilled	required	fulfilled	required	fulfilled	required	fulfi
Thermal coefficient of expansion at ambient temperature of up to 100°C in K ⁻¹		6 - 7,5 x 10 ⁻⁶		5 - 13 x 10 ⁻⁶		8 x 10 ⁻⁶		
Chemical Properties Resistance to chemicals — except to hydrofluoric acid and its compounds								
for unglazed tiles	required	fulfilled	required	fulfilled	required	fulfilled	required	fulfi
for glazed tiles a) to acids and alkali b) to stains c) to household chemicals d) to swimming pool additives	acc. to specifications min. class III min. class GB min. class GB	fulfilled fulfilled fulfilled fulfilled	acc. to specifications min. class III min. classGB min. class GB	fulfilled fulfilled fulfilled fulfilled	acc. to specifications min. class III min. class GB min. class GB	fulfilled fulfilled fulfilled fulfilled	acc. to specifications min. class III min. class GB min. class GB	fulfi fulfi fulfi fulfi
Resistance to glaze cracking	required	fulfilled	required	fulfilled	required	fulfilled	required	fulfi
Slip resistance Industrial areas Wet barefoot areas Private areas	R 9 - R 12 A - C Recommend.: R 9	acc. to specifications acc. to specifications acc. to specifications	R 9 - R 12 A - C	acc. to specifications acc. to specifications acc. to specifications	R 9 - R 13 A - C Recommend.: R 9	acc. to specifications acc. to specifications acc. to specifications	R 9 - R 12 A - C	acc. to spe acc. to spe acc. to spe

The indicated property values are average values. All specifications correspond to the current state of our knowledge, however do not represent the promise of the properties. Subject to technical modifications.

Table of the respective stress groups according to the PEI wet method DIN EN ISO 10545-7 $\,$

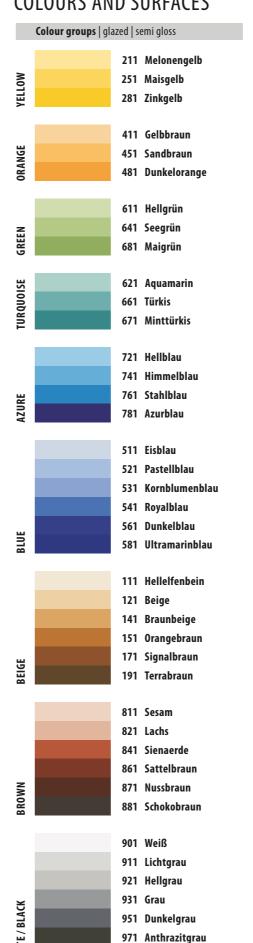
Stress group	Rotation	Valuation
I	150	very light traffic load e.g. bathrooms walked on in soft footwear
II	300 - 600	light traffic load e.g. living areas & bathrooms walked on in normal footwear, exposed to some abrasive dirt
III	750 - 1500	medium traffic load e.g. living areas, loggias, corridors, terraces, balconies
IV	> 1500	higher traffic load e.g. entrance areas, offices, sales rooms, industrial and commercial areas
٧	> 12000	very high traffic load e.g. restaurants, shops, counter areas

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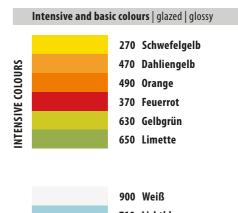
Item no.	Article no.	Item description	Page	5306	66 5306	Stop end right to overflow channel 5300	19
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1212	32 1212	Basic tile small*	10-15	5400	66 5400	Pool edging tile with vertical front System Skimmer	31
2424	32 2424	Basic tile large*	10-15	5402	66 5402	Internal corner, set of two pcs to pool edging tile 5400	31
1100	41 1100	•	11-15	5407	66 5407	External corner with vertical front, set of two pcs to pool edging tile 5400	
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3136	66 3136	Small grooved tile, long edge rounded with safety marking	37	5487	66 5487	External corner, set of two pcs to edging tile 5480	31
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5117	66 5117	External corner, set of two pcs to overflow channel 5110	23	9453	66 9453	External corner 3 to radial tile 9450, for three sides connected	33
5150	66 5150	Overflow channel System Berlin	29	9454	66 9454	External corner 2 to radial tile 9450, for two sides connected	33
5152	66 5152	Internal corner, set of two pcs to overflow channel 5150	29	-	76 1215	Grating, rigid width 150 mm	43
5155	66 5155	1/2 Overflow channel to overflow channel 5150	29	-	76 1218	Grating, rigid width 185 mm	43
5157	66 5157	External corner, set of two pcs to overflow channel 5150	29	-	76 1220	Grating, rigid width 200 mmt	43
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5175	66 5175	1/2 Overflow channel to overflow channel 5170	19		76 2215	Parallel grating, rigid width 150 mm	43
5176	66 5176	Stop end right to overflow channel 5170	19	-	76 2218	Parallel grating, rigid width 185 mm	43
5177	66 5177	External corner, set of two pcs to overflow channel 5170	19	-	76 2220	Parallel grating, rigid width 200 mm	43
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5274	66 5274	Stop end left with recess to overflow channel 5270	21	-	76 3218	Cross grating, roll-up design width 185 mm	43
5275	66 5275	1/2 Overflow channel with recess to overflow channel 5270	21	•	76 3220	Cross grating, roll-up design width 200 mm	43
5276	66 5276	Stop end right with recess to overflow channel 5270	21	-	76 3225	Cross grating, roll-up design width 250 mm	43
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5301	66 5302	Internal corner, set of two pcs to overflow channel 5300	19	-		Drain valve 2 ½ guillietai, Ø = 85 mm	43
5304	66 5304	Stop end left to overflow channel 5300	19	-		Drain valve 2 ½", silent ABS plastic, ø = 85 mm	43
5305	66 5305	½ Overflow channel to overflow channel 5300	19			Drain valve 2 ½", silent gunmetal, Ø = 85 mm	43

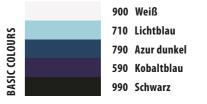
VarioCOLOR PROGRAMME

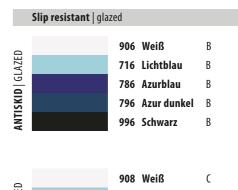
COLOURS AND SURFACES

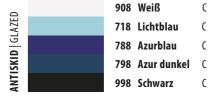


991 Schwarz









Slip resistant	unglazed		
	,		
NGL	892	Naturbeige	R 10/B
	890	Naturweiß	R 10/B
ANTISKID UNGL.	894	Neutralgrau	R 10/B
ANT	896	Anthrazit	R 10/B
IGI.	893	Naturbeige	R 11/C
KID UNGL.	891	Naturweiß	R 11/C
ILED ILED	895	Neutralgrau	R 11/C
PROF	897	Anthrazit	R 11/C

690 Graugelb 691 Graugelb

693 Graucreme R 11/B

R 10/A

R 11/BC

UNGL.

























^{*} Order related production, please request minimum order quantities (MOQ).

OUR GSTCS | GENERAL SALES TERMS AND CONDITIONS

I Scope of application

- 1. The following terms and conditions of sale and delivery shall apply exclusively, we hereby expressly preclude any contradictory general terms and conditions of business of our contractual partners.

 2. These general sales terms and conditions apply to the sale of products. The following conditions only apply to companies

$II\ Offers\ |\ Orders\ |\ Commitment\ period,\ cancellation,\ product\ specification$

- 1. The seller is committed to his offers for two weeks. The purchaser is also committed to his orders for two weeks. The cancellation of received offers/orders is only possible for legal reasons, e.g. appeal. The same applies to completed sales contracts.
- Samples and patterns provided only serve the purpose of viewing and do not specify the character of the goods.
 Colour shades and decorative pictures of products produced from different production batches may differ visually.
- **4.** Product descriptions do not represent any guarantee assurance.
- 5. If the purchaser wishes for the submission of an offer for a certain area, the offer is based on prices per m². The price per \mbox{m}^2 will be calculated considering the technically necessary joint surface.
- 6. Products that are identified as first choice are compliant with the requirements of the corresponding standard regulations. Products that are marked as second or third choice do not or partly do not meet the requirements of the corresponding standard regulations and may contain defects of visual and/or technical nature.
- 7. Offers include a delivery "EXW Ransbach-Baumbach" in accordance with the Incoterms 2010.

All prices of the purchase object is ex manufacturer works plus the respective applicable statutory sales tax. The price per m² will be calculated considering the technically necessary joint surface. Discounts or other deductions require specific agreements.

IV Packaging and Shipping

- 1. All products are packaged and bundled in the factory according to the choice of the seller.
- 2. If the purchaser wishes for the seller to organize the shipment of the goods, the seller assigns a forwarding agent or a parcel service — depending on the volume and weight of the goods — with the retrieval and delivery on the behalf of the purchaser.

 3. If there has been an individual agreement with the purchaser that instead of a delivery EXW Ransbach-Baumbach the ship-
- ment or delivery should be directed to an address given by the purchaser, the seller is free in his choice regarding the type of shipment. The delivery and shipment will be entirely at the purchaser's risk. The seller is only liable for the negligence of his own transport personnel, if he or his agents are culpable for (criminal) intent or gross negligence.
- 4. If palettes are provided by the seller for shipments according to IV 2 or IV 3, the purchaser is obliged to return the palettes within 14 days to the seller. In case the purchaser culpably does not return them in due time, the seller is entitled to demand compensation.
- 5. In case the delivery is delayed due to a circumstance, whose cause lies with the purchaser, the purchaser carries the risk from the day on which the supplier is ready for dispatch and has notified him.
- 6. If the shipment is performed by a carrier, forwarding agency, train, ship or plane, the purchaser has to report the loss or any outwardly apparent damages of the transported goods upon receiving to the carrier, forwarding agency or deliverer and has to take other measurements necessary for further claims of compensation.

V Payment and Default of Payment

- 1. The purchase price and balances for additional services are payable immediately following delivery (dispatch or availability
- 2. Cheques will be accepted only after special agreement for the individual case and subject to clearance. The costs of discounting and draft fees are to be settled separately and immediately by the purchaser. Clearance occurs only after irrevocable
- 3. The purchaser may charge against the claims of the seller only if the counterclaim of the purchaser is undisputed or concerns a debt for title of judgement. The purchaser may legitimately exercise a right of retention only where this concerns rights from the same agreement.
- 4. If the purchaser goes into default of payment of a debt to the seller, the seller is entitled to charge interest at 9 % over the base rate for legal transactions where consumers are not involved. This does not affect the assertion of claims above and beyond this for damages caused by delay.
- 5. In exceptional cases, if partial payments are agreed upon, the remaining balance still outstanding is then due and payable immediately and without consideration of the due date of any drafts presented in the event that the purchaser goes into default of more than 14 days.
- 6. If the seller is obliged to perform in advance due to a mutual contract, he can refuse to carry out the performance if after the $conclusion \ of \ the \ contract \ it \ is \ for esee able \ that \ the \ supplier's \ right \ of \ counterperformance \ from \ the \ purchaser \ is \ at \ risk. \ With$ $a \ substantial \ impairment \ of the \ financial \ standing \ and \ in \ the \ case \ of \ imminent \ insolvency, \ the \ seller \ is \ entitled \ to \ perform$ further deliveries only if paid in advance or is entitled to demand a suitable safety bond. If this suitable security is not given within a reasonable period of time, the seller is entitled to terminate the contract upon expiry of that period of time and to demand compensation for non-fulfilment.

VI Delivery, Default of Delivery and Delivery Quantities

- 1. If the purchaser determined a preferred date for the delivery, which was not previously agreed on, the seller will make best efforts to meet the deadline. The same applies, if a non-binding date of delivery or delivery period was agreed on. The seller shall go into default only after relevant notice of delay by the purchaser.
- 2. A possible agreed delivery date or period starts with the signing of the contract, but not before the purchaser has supplied all the required goods and services in advance, if necessary, e.g. any documents to be procured, permissions, approvals as well as the receipt of an agreed advance payment.
- 3. A fixed or approximately agreed delivery term or delivery date shall be extended by the period for which the seller was prevented from providing the service as a result of interruptions to operations for which the seller was not responsible, e.g. operational disruptions, delays in the delivery of essential materials, as long as such hindrances demonstrably have a considerable influence on the delivery of the item and are beyond the control of the seller. This shall also apply, when such circumstances occur at our sub-contractors. The agreed delivery term shall be extended by the period of such measures and hindrances. The seller should neither be liable for the aforesaid circumstances in case the progress is already in delay.
- 4. If on-demand or call-off deliveries are subject of an agreement, a delivery will not be carried out earlier than 7 working days after the seller received the retrieval notice. The seller is entitled to object to the required retrieval, if the delivery is not possible or reasonable at the desired delivery date. The purchaser will be notified with the expected delivery date at least 48 hours in advance
- 5. Partial deliveries within the requested delivery period are permissible, as far as they do not result in any disadvantages
- 6. In the case of order-related production and particularly custom-made production, the seller is entitled to carry out excess or short deliveries of up to 5 % of the quantity ordered. The quantity supplied will be charged
- 7. Deliveries made by the seller shall be subject to timely and correct self-delivery: If the seller can not provide performances due, although he made a congruent hedging transaction, he will be freed from his performance obligation. This only applies if the seller did not induce these circumstances through gross negligence or when no transitory impediment to performance on the side of the purchaser exists. The seller will immediately be notified about this by the purchaser and refund any potential advance payments. The same applies, if the goods to be supplied are manufactured by the seller himself and the seller can not provide the required performance because the sub-supplier did not deliver the materials necessary for the production in time, although the contracts about the delivery were concluded congruently and in time.

VII Retention of Title

- 1. All goods delivered by the seller remain the property of the seller until complete settlement of all matured and maturing $claims \ against \ the \ purchaser. The \ seller \ is \ entitled \ to \ take \ back \ the \ goods \ if \ the \ purchaser \ acts \ in \ violation \ of \ the \ contract. The \ seller \ is \ entitled \ to \ take \ back \ the \ goods \ if \ the \ purchaser \ acts \ in \ violation \ of \ the \ contract.$ demand to return the goods can not be considered as a withdrawal from the contract unless expressly stated by the vendor. The retention of title also extends to recognised balance claims from the current account.
- 2. The purchaser shall keep the goods that are subject to retention of title carefully and free of charge and has an obligation to store them separately at the request of the seller.
- 3. The purchaser is entitled to sell or process the goods within the normal course of business. In the case of resale, the purchaser hereby cedes to the seller the claims arising against third parties and in favour of the purchaser, to the full value of such claims and inclusive of all security and subsidiary rights. This also applies for the rights accrued by the purchaser against a third party as a result of the installation or connection of the goods with a building or property. However, the purchaser is authorised to independently collect the debt as long as the payment obligations of the purchaser are fulfilled.
- 4. Should the purchaser fall into default of payment to the seller, the same shall be entitled to revoke the authorisation of the seller, to inform the third party of the cession and to collect the debt independently. In this case, the purchaser is obliged to avoid any access to the debt and particularly the collection of such. Furthermore, the purchaser shall be obliged to provide the seller with the name of the garnishee, to issue to the seller all the information and documentation required for the collection of the debt and to notify the garnishee of the cession.
- 5. On demand by the purchaser, the seller shall be obliged to transfer back securities selected by the same where these exceed the debts to be secured by more than 10%. 6. In the event of access by third parties to the goods that are subject to retention of tile and particularly in the case of compulsory enforcement measures in the retained title, the purchaser shall inform the seller immediately and notify the prosecuting creditor/third party of the title of the seller.

VIII Defects, Notices of Defects

- 1. A defect is not assumed when the seller delivers an insufficient quantity and/or merchandise of higher value. In the case of insufficient quantity the purchaser shall only be entitled to claim the subsequent delivery of the missing quantity. Provided that the products are conform according to DIN EN 14411 and the relevant standards, there is no material defect in this
- 2. The seller may decide on his own reasonable discretion, whether the supplementary performance should be carried out in the form of remedying the defect or by supplying goods free from defects. The seller can refuse both forms of supplementary performance if their fulfilment would lead to disproportionate costs. If the purchaser installed the defective item in accordance with its nature and intended purpose in another item, attached it to another item or used it in accordance with its usual purpose for a building, the seller is not obliged to replace the necessary expenditures for the removal of the defect items, the installation or mounting of the repaired or supplied non-defective item from fulfilment of the supplementary performance. The purchaser bears the expenses of the supplementary performance, which are caused by the installation of the goods at another place than the place of fulfilment.
- 3. If the seller delivers an item free from defects for the purpose of supplementary performance, the purchaser must return the defective items immediately. With the return the ownership is transferred back to the seller.
- 4. The supplementary performance will only be undertaken, when the purchaser previously paid the agreed payment less the costs of the deficiency. The deduction can not be more than threefold compared to the costs of correcting the defect.
- 5. The subsequent improvement shall not be considered as failed after the unsuccessful second attempt.
- $\textbf{6.} \ The \ with drawal \ from \ the \ contract, \ the \ reduction \ and \ the \ assertion \ of \ claims \ for \ damages \ presume \ that \ the \ purchaser \ has$ unsuccessfully given the seller a reasonable time limit for the supplementary performance. This also applies when the purchaser himself sold defective goods to a third party and then had to take back the goods due to their defective because the third party reduced the purchase price.
- 7. If the purchaser deals as a registered merchant as defined in the German Commercial Code (HGB), the statutory duty to examine and notify defects shall apply. If the inspection and reclamation guidelines are not followed, the goods/services are considered accepted with respect to the defect in question.
- 8. Faulty goods are to be kept ready for inspection

IX Limitation of the purchaser's defect claims

- 1. Defect claims made by the purchaser expire by limitation after 12 months.
- 2. Number 1 shall not apply:
- for defects in a building and/or goods which are used in accordance with their usual purpose for a building and which caused its defectiveness;
- · if the seller fraudulently concealed the defect;
- if the seller granted warranty of the qualities of an object/our services or has overtaken a durability guarantee and the defect is within the scope of this guarantee;
- to any claims of damages by the purchaser, that aim at compensation for injury to body or health. For any culpable injury of life, body or health the seller shall be liable in accordance with the legal regulations;
- to any claims of damages by the purchaser, that are based on a grossly negligent or deliberate violation of duty by the legal representative or vicarious agent of the seller;
- to claims based on the culpable breach of duty by the seller regarding the handing over of the object purchased free from material defects and defective titles and his obligation to provide its ownership;
- to the sale of used goods. Guarantees are excluded for the purchase of second-hand goods;
- to contractors and their recourse claims, which resulted by him fulfilling justified defect claims of his own customers, who are consumers, due to defects of the purchased item.

- 1. The seller shall be liable for every culpable violation of life, body or health in accordance with the legal regulations.
- 2. All other purchaser's claims for compensation are excluded.
- 3. Number 2 shall not apply:
- in the case of the seller's intent of culpable negligence;
- if the seller maliciously conceals the defect;
- if the seller granted warranty of the qualities of an object/our services or expressed a durability guarantee and the defect is within the scope of this guarantee,
- to claims based on the culpable breach of duty by the seller regarding the handing over of the object purchased free from material defects and defective titles and his obligation to provide its ownership; in that case the liability is limited to those damages whose occurrence can typically be expected within the scope of the conclusion of the agreement. 4. In case of ordinary negligence by the seller the right of the purchaser for the equivalent of deferred damages is limited to 10 % of the purchase price agreed upon.

XI Final Provisions

- 1. In business transactions with traders, businesses, corporate bodies under public law and fund assets under public law, the place of fulfilment shall be the head office of the seller.
- For disputes concerning claims of any type arising from business relations with businesses, corporate bodies under public law and legal fund assets, the court at the head office of the seller shall be responsible.
- 3. German law shall apply to the exclusion of the UN Sales Convention.
- 4. Should individual conditions of these general terms and conditions of sale and delivery be wholly or partially invalid, this shall not affect the validity of the remaining conditions.

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