

BauSeal SL-44

WATERPROOFING EMULSION HYBRID

DESCRIPTION

BauSeal SL-44 is a new technology, hybrid, solvent-free, elastic sealing membrane for roofs. It is highly resistant to humidity, ultraviolet radiation and extreme temperature variations. The surfaces coated with **BauSeal SL-44**, due to their whiteness reflect solar radiation limiting thus the heat transmission to the buildings' interior. It is suitable for coating bituminous membranes with or without mineral chipping. It is highly elastic and it is highly recommended for surfaces presenting contractions-expansions and vibrations. It is suitable for application on concrete, plaster, AAC concrete and other common substrates based on cement or ceramic. The surfaces that are coated with **BauSeal SL-44** become absolutely waterproof.

FIELDS OF APPLICATION

Suitable for waterproofing flat, nipple and curved roofs, terraces, balconies, gutters, cementitious gutters in old and new constructions and for application to roofs in order to withstand standing water. It is applied on concrete, cement based floor screed, cement slabs, tiles, mosaic and bituminous membranes. It is also suitable for application on surface made of glass, wood, metal, galvanized sheet metal, "ELENIT", ceramic tiles, natural stones and bituminous membranes with aluminum coating. It is used to seal corners and filling small cracks (up to 2 mm), as well as in the concrete slab connections up to 1 mm. It has excellent adhesion to polyurethane waterproofing layers and thermal insulation polyurethane based products, or polycarbonate panels. Finally, by applying it proximal and below photovoltaic panels it does enhance their efficiency.

SUBSTRATE PREPARATION

The substrate must be stable, the brittle material must have been removed and it must be washed with plenty of pressurized water to remove dust. Moreover, standing waters must be removed. If the concrete is worn or in case of cracks wider than 1 mm there must be prior repair of all defections. For application on absorbent substrates or old concrete, apply **THRAKON GLX 292 FLEX PRIM** or **THRAKON STATUS DUR** primer. Before using the product, the substrate must be fully dried. The expansion joints, the joints between horizontal and vertical surfaces and the construction joints should be reinforced with KF 12/7 or F12/7, by bonding them to substrate using **BauSeal SL-44**.

APPLICATION

The application is made by brush, rubber spatula or longhaired roller, making sure the material to penetrate and fill each cavity. The product is applied crosswise in two layers. The thickness of each layer should be 0,4-0,5mm. The second coat is applied as soon as the first one has fully dried (12-24h). The total thickness should be less than 0,8-1mm. If the substrate has small cracks, embed a nonwoven, perforated polypropylene sheet between the two layers. After application and for the next two days, the surfaces must not get wet from rain or water.

CONSUMPTION

0,8-1,5kg/m² for two layer application, depending on the type of the surface.

TOOL CLEANING

With plenty of water immediately after use.

PACKAGING

The product is packed in plastic containers of 4kg and 12kg and it is stored in sealed packaging in enclosed, ventilated and protected from frost areas for 12 months from the production date at temperatures +5°C to +35°C.

NOT RECOMMENDED

- On surfaces with intense traffic.
- On surfaces that are constantly under water or relative humidity higher than 85%.
- In weak or dusty substrates.
- On new bituminous coatings or asphalt.
- In sealed indoor areas.

PRECAUTIONS

Protect eyes and skin. In case of contact rinse with water. In case of contact with eyes seek medical advice immediately. Read the information on the label and in the technical leaflet of the product before use. Wear suitable protective clothing and gloves. MSDS is available upon request to the professionals. The leftover colors should not be disposed of with household waste. You should seek advice from local authorities on the disposal and collection of waste.

TECHNICAL CHARACTERISTICS	VALUE	UNITS
Form	Paste	
Type	Dispersion of polyurethane modified acrylic resins	
Density (20°C)	1,25 ± 0,03	(g/ml)
Viscosity	32000 ± 5000	(cps)
Elongation at break	400	(%)
Tensile strength	≥2,0	(N/mm ²)
Consumption per 2 layers	0,8 - 1,5	(Kg/m ²)
Drying time	2-3h	(gr/cm ³)
Recoating time	12-24h	(h)
Application temperature	>10	(°C)
Dilution with water for application with roller, brush or paintbrush	5-10	(% κ.ο.)
Water vapour permeability (w)	<0,1	(kg·m ⁻² ·h ^{-0,5})
Adhesion strength	≥0,8	(N/mm ²)
Water vapour permeability (Class)	I (vapor permeable)	(class)
Permeability to CO ₂	>50	-
Artificial weathering UV (2000h)	No alteration of the film occurs	-
Resistance to oils and solvents	Excellent	-
Flammability	No	-
Toxicity	No	-
Organic solvents	No	-

Note: The measurements were made in laboratory environment under temperature of +23°C, Relative Humidity 50 % and without ventilation. It is possible to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.