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3111 Elastiser

Description

Acrylic emulsion elastomeric resin based, one component, ready to use, flexible and liquid under-tile waterproofing material.

Fields of Application

- Under-tile waterproofing in wet areas such as bathrooms, toilets, balconies and terraces.
- In horizontal and vertical applications.
- Interior and exterior.
- Suitable for use on concrete, cement-based plaster and screed surfaces, gypsum based surfaces and panels.

Properties

- 250 % flexible after curing.
- Fast and easy application.
- Tile application can directly be done on the material. Sanding is not needed.
- Ready to use, easily applicable with brush and roller.
- Environmentally friendly, solvent free.
- Provides seamless waterproofing.
- Type: DM (According to TS EN 14891)

Preparation of Substrates

- The substrates should be dry, clean and solid.
- The surfaces to be coated should be free of adhesion preventive foreign substances such as dust, dirt, mould oil, paint etc.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- Use Tamirart series repair mortar in case of any loose and uneven substrates to get a sound and flat surface.
- Corners should be rounded with Tamirart S40.
- In cases where one could not round the corners with structural repair mortar, it is recommended to select the most suitable type of Kalekim Waterproofing Tape at the joints such as horizontal - vertical joints, parapet corners, luminaires, chimney bottoms. This step should be applied after the primer.
- Before applying 3111 Elastiser, the surface should be primed with Kalekim Astar (Primer).

Application

- 3111 Elastiser should be made ready for use by stirring with a low-speed mixer.
- Apply on to the surface at in least in two coats with a brush or roller. Total thickness of application should be 1.0-1.5 mm.
- Waiting time between the applications of two layers is about 4-6 hours depending on the temperature.
- To obtain the recommended long term technical performance of the product after the application of 3111 Elastiser, it should be covered and protected with a screed, ceramic, tile etc.
- If Elastiser will be covered with tile, a high performance, flexible type of Kalekim Tile Adhesive should be used at least with C2 S1 / S2 class in accordance with EN 12004 standard.

Post-Application Protection & Suggestions

- 3111 Elastiser is a ready to use product. Please do not add any additives except of those recommended in the data sheet.
- During the covering process, waterproofing material should not be damaged by mechanical effects and waterproofing material should be protected during the curing.
- Fresh applied surfaces should be protected from direct sunlight, strong airflow, high air temperature (over + 35 ° C), rain and frost during the first days.
- It should not be applied against negative water pressure.
- The product should be used within the pot life. Products with expired pot life should not be used.
- Keep packaging closed during the application. The product should be protected from freezing.
- It should not be applied at very high temperatures, under direct sunlight, in extremely windy, foggy, rainy, frost-risk weather conditions. Low temperature and high relative humidity can extend the drying time.
- It should not be applied in rainy weather and the applied surface should be protected from rain within 24 hours.
- Surface and ambient temperature should be between + 5 °C and + 30 °C during application.
- See the Safety Data Sheet for more information.

Storage

- Packages should be kept dry and cool at between +10°C and +35°C in damp free conditions avoiding direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Maximum 3 buckets should be stacked on each other.
- Shelf life is maximum 24 months conditional to complying with the above mentioned storage conditions.

Packaging

- 5 kg and 20 kg plastic pails.

Quality Certificates

Conforms TS EN 14891, Class DM.



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Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	White & Grey liquid waterproofing material
Shelf Life	24 months when stored in the original sealed packaging.

Application Data

Application Temperature Range	(+5°C) – (+35°C)
Waiting Time Between Coats (23°C)	4 - 6 hours
Ready to Use	3 - 7 days
Consumption	1.5 - 2 kg/m ² (for 1 mm thickness)

Performance Data

Initial Tensile Adhesion Strength (TS EN 14891)	≥ 0.5 N/mm ²
Tensile Adhesion Strength After Water Contact (TS EN 14891)	≥ 0.5 N/mm ²
Tensile Adhesion Strength After Heat Ageing (TS EN 14891)	≥ 0.5 N/mm ²
Tensile Adhesion Strength After Freeze - Thaw Cycles (TS EN 14891)	≥ 0.5 N/mm ²
Tensile Adhesion Strength After Contact With Lime Water (TS EN 14891)	≥ 0.5 N/mm ²
Waterproofing (TS EN 14891)	No penetration, ≤ 20 gr mass increase
Crack Bridging Abilities Under Standard Conditions (TS EN 14891)	≥ 0.75 mm
Service Temperature Range	(-30°C) - (+80°C)
Dangerous Substances	See SDS
Reaction to Fire	European classification Ds1d0



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