



DESCRIPTION

It is an acrylic resin-based, single-component, liquid plastic coating and elastic waterproofing material formulated for application on various surfaces. Thanks to its special formulation, it provides excellent weather resistance, resistance to fading, and excellent waterproofing properties for many surfaces. It is resistant to chalking and dirt accumulation, does not yellow, and bridges hairline cracks. It is resistant to shrinkage. Its white color provides protection against the sun's UV rays. With its special formulation, it provides mold resistance on surfaces coated with Kar Elastik LM. It can be easily applied by everyone on large surface areas, highly detailed, flat and sloped roofs, terraces and balconies, drip edges, channels and gutters, chimney edges, eaves, gutters and drain insulation applications. It does not create joints and adapts to all kinds of surfaces. It is water-based and solvent-free.

PRODUCT FEATURES	AREAS OF USE
100% acrylic formulation Excellent adhesion Excellent weather resistance Excellent crack bridging Excellent waterproofing UV resistance Resistance against mold and fungi Easy and fast application High elasticity	It is suitable for use on properly prepared surfaces in the following applications: On mineral-based roofs and terraces On concrete surfaces, eaves, channels and gutters In gutters Around chimney edges In waterproofing applications under ceramics READY TO USE! IT MUST NOT BE MIXED WITH WATER DURING PRODUCT APPLICATION!

IMPORTANT NOTICE

Property	Value
Relevant Standard	EN 14891:2017
Product Class	DMP01
Document Number	007446-TSE-04/05
Product System	Water Based
Application	Brush, Roller, Airless Spray

Thinner	Thinning is not recommended
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PACKAGING DETAILS

- Packaging 5.00 kg/L or 20.00 kg/L
- Packing Plastic Bucket

CLEANING INSTRUCTIONS

- Cleaning: Small spills and splashes should be cleaned immediately with warm soapy water before drying; all coating tools and airless equipment should be cleaned with water. More serious spills should be contained and removed with inert absorbent material. Contaminated and unusable content should be disposed of according to local and regional regulations.
- Thinning: Thinning is not recommended in waterproofing applications; however, if it is used as a primer before insulation, it can be diluted with 30% water. For primer application, add 1.5 L clean water to 5 kg/L packaging and 6.0 L clean water to 20 kg/L packaging, and mix until a homogeneous mixture is obtained

TECHNICAL INFORMATION

Property	Value
Color	White, Gray
Tinting	Water-Based Universal Colorants (Pastel Colors Only!)
Product Type	100% Acrylic Resin
Viscosity	60,000 $\pm$ 5,000 cP
pH	8.5 $\pm$ 0.5
Density	1.35 $\pm$ 0.5 g/cm ³
Drying Time (for 23°C and 50% Relative Humidity)	Touch Dry: 2 – 4 hours
Waiting Time Between Coats	4 – 6 hours, or one day later
Initial Adhesion Strength	≥ 0.5 N/mm ²
Adhesion Strength After Heat Aging	≥ 0.5 N/mm ²
Adhesion Strength After Water Aging	≥ 0.5 N/mm ²
Adhesion Strength After Freeze-Thaw Cycles	≥ 0.5 N/mm ²
Adhesion Strength After Contact with Lime Water	≥ 0.5 N/mm ²

Adhesion Strength After Contact with Chlorinated Water	$\geq 0.5 \text{ N/mm}^2$
Crack Bridging	$\geq 2 \text{ mm}$

SURFACE PREPARATION

Before application, the surface should be checked and if there are areas requiring repair on the surface, these surfaces should first be repaired with Kar Repair series repair mortars. Waterproofing should be started 7 days after the process. The surface to be applied must be dry. If there is water accumulation or puddling, it should be removed. Sharp points and corners on the application surface should be rounded. Chamfers (cement-based) with a diameter of at least 5 cm should be made on corners and edges. The concrete to be applied should have a compressive strength of min. 25 N/mm² and tensile strength of min. 1.5 N/mm². The moisture content in the concrete should be less than 4%. An appropriate joint plan should be made considering possible movements and necessary joints should be transferred to the coating. Defects larger than 5 mm on the application surface and tie rod holes on retaining walls should be repaired by filling with suitable repair mortars. If there is water, water vapor or salt efflorescence from the negative side, application should not be made on that surface. Roughening should be done to increase adhesion on excessively impermeable (high strength class) concrete and retaining walls. High spots on the surface should be cleaned by sanding. Surfaces should be roughened mechanically (Blastrac or milling) and cleaned from dust with a vacuum cleaner. During application, relative humidity should not exceed 50% at +10°C and 80% at +30°C. The temperature of the application surface should be between +10°C and +30°C. The temperature of the application surface should be 3°C above the dew point. In applications to be carried out in cold weather, ambient and surface temperatures should be increased with the help of heaters, and Kar Proof ALF 1000 packages should be stored at +20°C one night in advance.

PRODUCT APPLICATION

100% acrylic resin-based elastic waterproofing material can be easily applied as follows with a quality brush, roller or airless spray equipment: Before application, mix the product at low speed with a mechanical mixer until homogeneous. For best results, at least 2 coats should be applied in layers with a wet thickness of at least 3 mm. Touch drying between coats is achieved within 2 – 4 hours, however the second coat application should be made after a minimum of 4 – 6 hours. This period may extend to the next day depending on application conditions. It is recommended to work with stock in order to ensure color integrity. To see color consistency in different production batches, verify the color by applying different batch products in a small area before application. On most sun-exposed or hot surfaces, it may be necessary to cool the hot surface by lightly moistening the application surface with cold water. This will prevent excessively rapid drying and possible burning of this roof coating. Do not over-wet the surface area. This coating can only be applied to slightly damp surfaces and does not adhere to surfaces saturated with excessive water. If brush applications are made on large areas, the area should be reduced using the sectioning method and junction between sections should be ensured. In roller applications, the two coats to be applied should be applied perpendicular to each other. (If the first coat is applied parallel to the length of the application surface, the second coat should be applied perpendicular to the length of the application surface.) In airless spray applications, the material should be pumped with a nozzle diameter of 0.021 – 0.030 at a flow rate of 2 gallons/minute. It is recommended to smooth the surface with a roller immediately after spray application,

as proper adhesion will be ensured. Apply between surface and ambient temperatures of 5°C - 35°C. Condensation-related water droplets should not form on application surfaces after application. Therefore, do not apply in rainy or very humid weather. If the coated surface is exposed to rain or water and damaged before it is completely dry, the coated surface should be cleaned immediately with hot water before allowing it to dry

APPLICATION EQUIPMENT

Brush Application: Apply using a quality nylon, polyester or mixed nylon/polyester bristle brush. Roller Application: Apply using a ¼ - 1 synthetic or lamb wool roller depending on texture and surface porosity. Spray Application: Pump: Gas or Electric Airless Spray Machine Pressure: Must have a pumping capacity of 2 gallons per minute Tip: 0.021 - 0.030 diameter, reversible on both sides Pressure: Minimum 2500 psi Hose: ¼ inch (6.3 mm) - ¾ inch (10 mm)

PRODUCT LIMITATIONS

Applications where the product will be exposed to abrasive conditions are not suitable. The product has no chemical resistance. The product should not be used in areas exposed to intense heat.

CONSUMPTION – SHELF LIFE – STORAGE

- It should be stored in its original packaging in a dry environment between +5°C and +30°C. It has a shelf life of at least two years in unopened packaging, in a dry, cool and closed place.
- Consumption 1.40 kg/m² single coat (depending on the absorbency of the surface)

SAFETY & PRECAUTIONS

Avoid prolonged skin contact and inhalation of dust, vapor and/or spray fumes. Causes eye irritation. USE WITH ADEQUATE VENTILATION! Ensure fresh air entry during application and drying. If you experience watery eyes, headache or dizziness, or if air monitoring shows vapor/mist levels above applicable limits, use a properly fitted respirator (CE approved) during and after application. Follow respirator manufacturer instructions for respirator use. Avoid contact with eyes, skin and clothing. Use chemical safety goggles, glasses or face shield for proper eye protection. Wash thoroughly after handling and before eating or smoking. Close container after each use.

FIRST AID

- In case of skin contact, wash thoroughly with plenty of warm soapy water.
- For eye contact, rinse with plenty of water for 15 minutes and seek immediate medical attention.
- If breathing is difficult, leave the area for fresh air. If difficulty persists, seek immediate medical attention.
- If swallowed, do not try to induce vomiting; seek immediate medical attention.
- KEEP OUT OF REACH OF CHILDREN!

WARRANTY & DISCLAIMER

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