

**MATTE WATER-RESISTANT LACQUER  
FOR STONE AND CONCRETE  
L5050M**

**TEHNNICAL DATA SHEET**

Product description	
<b><u>Description:</u></b>	L5050M film-forming product is an air-drying lacquer based on alkyd resin, alkyd solvents and organic solvents.
<b><u>Use:</u></b>	<p>L5050M is a solvent-based waterproofing product. Suitable for application on surfaces decorated with natural stone (marble, granite, matte finish, bush-hammered, brushed, flamed, etc.) and concrete, both indoors and outdoors, highlighting the shade of the stone giving it a "wet" look. Application on decorative stone requires prior testing. The lacquer film provides water resistance, inhibits water absorption, provides weather resistance and has a good durability over time. Recoating is recommended every 2-3 years. It penetrates inside the pores, does not form a surface film, allows the surface to breathe. It is effective for water repellent protection on vertical and horizontal surfaces; it is suitable for porous materials such as natural stone, concrete, bricks, porous marble, porous ceramic tiles and is perfect for restorations.</p>
<b><u>Main characteristic elements:</u></b>	<ul style="list-style-type: none"> <li>• lead-free</li> <li>• good adhesion to the substrate</li> <li>• good weather resistance</li> <li>• good drying</li> </ul>
<b><u>Shelf life in packaging:</u></b>	<p><b>4 years</b> from the date of manufacture for all products, subject to compliance with packaging, storage and shipping instructions. The product in a partially emptied package has a lower viability because chemical oxidative cross-linking reactions occur due to oxygen resulting from air penetration. After expiry of the shelf life, the product must be re-checked for its film-forming properties according to the technical conditions provided and can be used if these characteristics are met.</p>
<b><u>Packaging:</u></b>	L5050M is delivered in litho printed metal boxes of 0.750L, 2.5L capacity and metal cans 10 L.
<b><u>Storage:</u></b>	In closed, dry, covered, ventilated spaces, protected against weather and solar radiation, away from fire sources, at temperatures between 5 - 25°C.
<b><u>Compatibility:</u></b>	L5050M should not be mixed with other products.
<b><u>Shipping:</u></b>	The products are shipped by covered means of transport according to the regulations in force.

**TECHNICAL QUALITY CHARACTERISTICS**

Table no.1

**Product technical data:**

Item No.	Characteristic value	MU	Characteristic value	Test method
<b>a) Characteristics of the liquid product</b>				
1.	Appearance	-	homogeneous, viscous, clear liquid free of mechanical impurities	visual
2.	Non-volatile substance content, 125°C, 25 minutes	%	22 ± 1	SR EN ISO 3251:2019
3.	Density, 23°C	g/cm <sup>3</sup>	0.85 ± 0.03	SR EN ISO 2811-1: 2016
4.	VOC, max	g/l	750	SR EN ISO 11890-1:2007
<b>b) Film characteristics</b>				
1.	Appearance	-	matte, clear	visual
2.	Drying time, on stone, at 23±2°C, 50±5% relative humidity: -dry to touch (Type B), max. -dry to handle (Type D), max.	hours	1.5 6	ASTM D 1640M-14 (2022)

**Application details:**

L5050M is applied by brushing or air spraying

**Method of application:**

Protects the properly prepared surface with 1-2 coats, undiluted. The data on the application of the product are given as a guideline, as the consumption of lacquer depends largely on the skill of the applicator. Apply double coats on welds, sharp edges, bends. Thick coats are not recommended.

**Specific consumption:**

- 10-13 m<sup>2</sup>/l/coat

**Recoating:**

- Apply after 6 hours

**Drying time:**

Drying times depend on temperature and film thickness and are prolonged by decreasing temperature and increasing film thickness. Poor air circulation, excessive humidity and low oxygen content negatively influence the drying process and lead to deterioration of film characteristics.

## Preparation of the product for application

<b><u>Product preparation:</u></b>	Before opening the package, remove any traces of water, oil, grease or other impurities to prevent contamination of the product. Condition the product at a temperature of 10-30°C and mix the contents manually or with an antiex mixer before use.
<b><u>Surface preparation:</u></b>	Surfaces must be properly cleaned, degreased, dedusted. Stone must be dry and should not be applied to stones immersed in water or operated in areas with very high humidity.
<b><u>Application conditions:</u></b>	<ul style="list-style-type: none"> <li>• environment and product temperature: 10-30°C</li> <li>• relative humidity: max. 70%</li> <li>• substrate temperature should be at least 3°C higher than the dew point to prevent moisture condensation on the surface, which would cause defects such as: poor adhesion, pores, improper spread.</li> </ul>
<b><u>Application instructions:</u></b>	<b>Application with unsuitable tools may result in inappropriate appearances and thicknesses compared to those specified in this technical data sheet.</b>
<b><u>Security Data:</u></b>	See the product safety data sheet.
<b><u>Occupational safety:</u></b>	All handling, shipping, storage and use operations must be carried out in full compliance with fire prevention, occupational health and safety and hygiene regulations. The following are prohibited: the presence of any source of fire, painting in premises without proper ventilation, direct skin contact with the product, prolonged inhalation of vapours, ingestion of the product.
<b><u>Labor protection measures:</u></b>	Accidental spills of finished products can be caused by failure to comply with the product packaging methodology or by improper handling and storage. In these cases, the spilled product is collected and recovered as far as possible. Depending on the amount of substance spilled, the damaged surface is wiped with suitable textiles (ideally cotton) or soaked with a layer of sand. If spills have affected non-concrete or unprotected soil surfaces, then the affected land surface will be stripped. Products resulting from the interventions listed above (soaked textile fabrics, soaked sand or affected soil layer) will be incinerated or stored in sealed landfills.
<b><u>Note:</u></b>	All these data are of a general nature regarding the performance and use of the product, therefore we recommend testing the product under the conditions of the beneficiary's own application technology. For further clarification, please contact the manufacturer.