



LAMACRYL

Crack Bridging and Protective Coating
System for Concrete and Masonry

Description:

LAMACRYL is a waterproofing elastomeric and durable white emulsion, which provides a protective and reflective layer to the coated surface. Such protective layer forms heat insulation, heat prevention, sound insulation, waterproof and anti-rust protection. LAMACRYL is formulated from a blend of specialty resins and additives to withstand the tough performance conditions. Applicable by roller, brush or spray.

Standard:

LAMACRYL complies with the requirements of ASTM D6083.

Coverage:

About 1 kg/m² depending on surface condition.

Containers:

LAMACRYL can be supplied in 20 liter drum.

Application:

Can be applied by the use of a brush, roller, or sprayed by airless pump. The surface must be clean and dry and free from dust, dirt, oil and grease when coating. And to avoid pin-holes, a first coat of 400 g/m² is recommended by diluting the material with water at 1:1 ratio. Let dry before applying second coat. After the priming coat, and at right angle, apply a thicker coat of 800 g/m² to produce 0.5 mm. thick dry layer. A second coat may be applied for longer durability. Don't apply if rain or frost is expected.

Storage:

- ❑ Never expose to freezing. Don't store under direct sun light.
- ❑ Keep containers well closed at 4 – 30 °C. Shelf life is one year.

Cleaning:

- ❑ Clean with water before it dries.
- ❑ Place tools on water during work if not in use.

Properties:

- ❑ Waterproofing Criteria: Coating will provide an excellent waterproofing layer that will not hydrolyze after it dries. Layer will give the surface the required protection for up to 5 years.
- ❑ Heat insulation and prevention: LAMACRYL can provide excellent heat insulation due to the color reflectivity. It can save about 5 °C of desired temperature during summer or winter when it is used for a building.
- ❑ Sound insulation: Although it is not designed to be an equisetetic insulator. It is proven that LAMACRYL can reduce the exterior sounds at a fair degree.
- ❑ Anti rust protection to metal surfaces: Painted metals with LAMACRYL can be protected of rust, and therefore, can have much longer life cycle.
- ❑ Highly elastic and durable: The dried film of the coating can have very high elasticity that will exceed 300%, making the coat very durable and resistant to damage.
- ❑ High solar reflectivity and U.V. resistance: LAMACRYL contains additives that make it U.V. resistant and thus prolong its usage life.
- ❑ Excellent adhesiveness: Coating adheres very strongly to metal a masonry surfaces.
- ❑ Water vapor permeable: The dried film of LAMACRYL allows the trapped humidity in the coated surface to pass away.
- ❑ Resists frost, de-icing salts and CO₂: Dried film is resistant to frost, and will remain elastic under very low temperatures. Also, it is not affected by mild salts, and it is anti carbonating coat to protect the damaging effect of carbon dioxide on the concrete.
- ❑ Provide bridging cracks up to 0.5 mm or 2 mm when reinforced with a non-woven fabric.

Color:

LAMACRYL can be colored by mixing with suitable coloring pigments



QMS Certified Firm

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Technical Specifications

Property	Result	Test Standard
Solids contents	65%	
Density	1.3 ± 0.05	
Viscosity	18000 cps	
Elongation at 25 °C	Over 400%	
Dry to touch	2 – 4 hrs.	
Service temperature	- 10 to 80 °C.	
Application temperature	Above frost.	
Water Vapor Transmission	20g/m ² per day	ASTM E96
Tensile Strength	5 N/mm ²	ASTM D412
Fungi Resistance	Zero rating	ASTM G21
Chemical Resistance	Resistant to mild solvents, acids, and alkalis	

- This Technical Data is the average results of tests, measurements and trials carried out by LAMA's own laboratory and RSS laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- This data may be changed, improved or modified by LAMA, in accordance with the Client's requirements, availability of raw material, without advance notice.

