

TECHNICAL DATASHEET

MAPLEXINE

Color: Catalogue colors

PROPERTIES

A decorative texture based on acrylic copolymer mixed with selected marble aggregates. It is a high quality structured coarse finish designed to beautify irregular surfaces with a strong ability to face weather conditions without altering or aging its color. DIMAPCHEM Maplexine could be used for interior and exterior walls decoration and protection.

RECOMMENDED USES

Maplexine could be used for:

- ✓ Walls and ceilings
- ✓ Masonry cement surfaces
- ✓ Building materials

PERFORMANCE BENEFITS

- ✓ Interior and exterior decorative wall covering
- ✓ Excellent texture quality with a flat finish
- ✓ Good hiding and covering property
- ✓ Resistance to leaching, aging and weather conditions impact
- ✓ Good adhesion to walls and ceilings
- ✓ Excellent durability and flexibility
- ✓ Recoverable and easy to apply

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total Solids, by weight	ASTM D2369	83.87%
Total Solids, by volume	ISO 3233	68.42%
Total pigments, by weight	ASTM D37	78.65%

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Viscosity, @ 25°C	ASTM D562	150 Poises
Total Volatile Organic Compounds (VOC)	ASTM D3960	13.78 g/L
Spreading Rate at 750µm DFT ⁽¹⁾	-	0.9 m²/L

APPLICATIONS GUIDE

Surface Preparation

Before applying DIMAPCHEM Maplexine, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, agents, dust, dirt, etc...) in order to avoid the risk of surface failing.

Concrete substrate must be well prepared in order to avoid any coating defects.

For new surface, ensure that concrete is completely cured at least 30 days.

For both fresh and old concrete, decontamination is required to remove any dust, oil, grease, laitance, fatty acids or any additional contaminants. This could be also done using 3% solution of ammonia in water.

Thinning

Allow concrete substrate to dry then check the moisture and the pH of the substrate. Ensure that the pH is between 6 and 9 since alkalinity can affect and destroy paint adhesion. For the moisture content, make sure that it does not exceed 4% (by weight). Otherwise, the concrete surface is not a good candidate for painting. After sanding and preparing the surface with a rubbing stone, prime with one to two layers of a suitable Primer for textured paint.

Application

If thinning is required and depending on the required finish, a maximum 3% of tap water could be used when applying DIMAPCHEM Maplexine with a trowel.

DIMAPCHEM Maplexine should be applied in a well-ventilated area where the temperature is more than 10°C. The application must be done on a clean, dry and free of dirt surface.

Follow the below recommended system in order to benefit from the decorative and protective properties of DIMAPCHEM Maplexine:

- Fill the holes and the imperfections with Putty.
- Prime the surface with Primer.
- Let the Primer dry for 4 hours
- Apply DIMAPCHEM Maplexine with a trowel; let dry for 4-6 hours then apply a second layer of DIMAPCHEM Maplexine.
- The system could be finalized with a layer of Protection Wax after sufficient drying of the textured paint, to insure a great water-proofing.
- The painting system should be applied at least 72 hours before rain is forecasted.

Drying Time

Surface (Touch) Dry: 2 – 3 hours

Dry to over coat: 12 hours

Full cure time: 24 hours

SHELF LIFE

DIMAPCHEM Maplexine should be stored in undamaged and unopened containers in a well- ventilated area where the humidity does not exceed 85%, the temperature varies between 10°C and 35°C and far away from any heat or freezing source or a direct exposure to sunlight.

Under these conditions, the shelf life of DIMAPCHEM Maplexine will be 1 year. After this period the product is subjected to re-inspection. Proper handling is essential to maintain good quality.

HEALTH & SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

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