

TECHNICAL DATASHEET

Gratin

Color: Catalogue Colors

PROPERTIES

A decorative texture based on acrylic copolymer mixed with selected quartz and marble aggregates. It is a high quality structured finish designed to beautify irregular surfaces with a strong ability to face weather conditions without altering or aging its color as well as to provide an excellent resistance to cracking and water penetration. DIMAPCHEM Gratin can be used for decoration and protection of interior and exterior walls.

RECOMMENDED USES

DIMAPCHEM Gratin could be used for:

- ✓ Walls and ceilings
- ✓ Masonry cement surfaces
- ✓ Building materials
- ✓ Gypsum based plasters

PERFORMANCE BENEFITS

- ✓ Excellent texture quality with a flat finish
- ✓ High covering power and long durability
- ✓ Resistance to cracking
- ✓ Good adhesion to walls and ceilings
- ✓ Recoverable and easy to apply
- ✓ Resistance to color fading

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Total solids, by weight	ASTM D2369	85.51%
Consistency, at 25°C	ASTM D562	120 Poises
Specific Gravity (g/cm ³)	ASTM D1475	NA ⁽¹⁾
Total Volatile Organic Compound (VOC)	ASTM D3960	10 g/L
Spreading Rate at 1500 µm DFT ⁽²⁾	-	0.5 m ² /L
Recommended WFT ⁽³⁾ at 2% Dilution	-	2145 µm

APPLICATIONS GUIDE

Surface Preparation

Before applying DiGratin, all necessary pretreatment must be done. Surface should be clean, dry and free of all contaminants (oils, 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 for 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.

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.

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Priming:

After sanding and preparing the surface with a rubbing stone, prime with one to two layers of a suitable DIMAPCHEM Primer for textured paint

Thinning

If thinning is required and depending on the required finish, a maximum 0 - 5% of tap water could be used when applying DIMAPCHEM Gratin with a trowel.

Application

DIMAPCHEM Gratin 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.

✓ **For indoor surfaces:**

- Start with a layer of DIMAPCHEM Water Based Sealer, then two layers of DIMAPCHEM Putty followed by one layer of DIMAPCHEM Fine Putty should be applied in order to fill and repair all the occurring irregularities.
- Sand the surface with a 150 – 180 grit sanding paper then proceed with one to two coats of the chosen Primer and with one thick coat of DIMAPCHEM Gratin, let cure for 12 hours.

✓ **For outdoor surfaces:**

- Start with one or 2 layers of DIMAPCHEM Putty to repair surface irregularities; let dry for at least 8 hours.
- Prime with one to two coats of the chosen Primer and with one thick coat of DIMAPCHEM Gratin; let dry for 12 hours.
- The painting system should be applied at least 12 hours before rain is forecasted.

Drying Time

Surface (touch) dry: 2 hours

Through dry: 4 hours

Dry to over coat: 6-8 hours

STORAGE CONDITIONS & SHELF LIFE

DIMAPCHEM Gratin should be stored in undamaged and unopened containers in a well-ventilated area where the humidity does not exceed 75%, the temperature varies between 5°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 Gratin 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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