GSM Construction Chemicals

GSM WEATHER GUARD

Technical Datasheet

Product Description

GSM Weather Guard Coating is a high-performance, water-based semi-gloss finish designed for both external and internal applications. Formulated with advanced acrylic resins, this coating offers a durable, water and mould resistant finish to a variety of substrates including wood, concrete, and masonry. It is specifically engineered to withstand extreme weather conditions, providing excellent UV resistance, waterproofing, and anti-carbonation properties.



Uses

- External and internal coating for concrete and masonry surfaces.
- Anti-carbonation coating for enhanced protection of structures.
- Protective coating for sea walls and environments exposed to coastal elements.
- Suitable for new and previously painted surfaces under extreme weather conditions.

Standard Compliance

- ASTM D2370
- ASTM C1202: 2005
- ASTM E 96

Typical Properties

- Appearance: White (clear)
- Specific Gravity @ 25°C: Approximately 1.05
- Reduction in Chloride Ion Penetration: ≥ 97%
- Reduction in Water Absorption: ≥ 95%
- Water Vapor Transmission: < 1 Perm
- Chemical Resistance: Resistant to gasoline, diesel, sewage, and weak acids spillage.

Typical Applications & Advantages

- Waterproof and Weatherproof: Offers exceptional durability against the elements, including UV light.
- High Build Coating: Effectively masks surface imperfections, providing a smooth finish.
- Excellent Bond Strength: Ensures strong adhesion to various substrates.
- Ease of Application: Can be applied with a brush, roller, or airless spray for a seamless finish.
- Mould Resistance: Limits the growth of mould, maintaining the aesthetic appeal and integrity of surfaces.
- High Inter-Coat Adhesion: Promotes longevity and durability of the coating layers.

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Technical support

GSM offers comprehensive technical support and on-site assistance to specifiers, end-users, and contractors.

Instructions for Use

Surface Preparation: Surfaces must be clean, sound, and free of contaminants. Treat algae or fungal growth before application. New concrete should be water-cured for approx. 7 days before coating.

Application: Apply in one direction without scrubbing. Allow to dry, then apply subsequent coats at right angles to ensure even coverage.

Coverage: Approximately 4 to 5 m^2 per litre @ 200 micron DFT, varying with substrate condition and application method.

Watchpoint: Avoid application in rainy conditions to ensure coating achieves full resistance when fully cured.

Packaging & Storage

Available in 16-liter and 250-liter units. Store under cover, away from direct sunlight, with a shelf life of 12 months.

Health & Safety Precautions

Non-hazardous under current regulations. Avoid ingestion and contact with skin and eyes. Use protective gloves and goggles during application.

Important Note

While GSM provides accurate and reliable technical information, no warranty is implied as application conditions and competence of labor are beyond our control. Customers are advised to verify product suitability and compliance with recommended usage conditions.

This technical data sheet for GSM Weather Guard Coating is designed to assist in selecting and applying the right product for your specific needs, ensuring durable protection and aesthetic appeal of surfaces exposed to harsh environmental conditions.