GSM Construction Chemicals

GSM MASONRY COATING

Technical Datasheet

Product Description

GSM Masonry Coating is a premium, single-pack, high-build, flexible, elastomeric waterproof coating formulated with styrene acrylic ester resins. Designed for both external and internal applications, this coating provides a durable barrier against water, carbonation, and chloride ion ingress. Its excellent UV resistance and ability to bridge hairline cracks make it an ideal solution for protecting concrete and masonry surfaces in various environmental conditions, including coastal areas.



Uses

- External and internal coating for concrete and masonry surfaces.
- Anti-carbonation coating to protect against atmospheric carbon dioxide.
- Protective coating for sea walls and environments exposed to coastal elements.

Standard Compliance

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

Typical Properties

- Appearance: Available in White/Grey thick paste
- Specific Gravity @ 25°C: Approximately 1.25
- Chloride Ion Penetration Reduction: ≥ 97%
- Water Absorption Reduction: ≥ 95%
- Water Vapor Transmission: < 1 Perm
- Chemical Resistance: Resilient against gasoline, diesel, sewage, and weak acids spillage.

Typical Applications & Advantages

- Waterproof and Weatherproof: Ensures comprehensive protection against water ingress and extreme weather conditions.
- UV Resistance: Offers superior resistance to ultraviolet radiation, preventing degradation and discoloration.
- High Build Coating: Effectively masks surface imperfections, providing a smooth and aesthetically pleasing finish.
- Excellent Bond Strength: Guarantees strong adhesion to a variety of substrates, reducing the risk of peeling or flaking.
- Flexible: Accommodates minor substrate movement, preventing the formation of cracks.
- Solar Reflective: Reduces heat build-up on coated surfaces, contributing to energy efficiency.
- Ease of Application: Can be applied with a brush, roller, or airless spray for a seamless application.

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Technical support

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

Instructions for Use

Surface Preparation: Clean and prepare surfaces to be free of dirt, dust, grease, and any contaminants. Treat algae/fungal growth and allow new concrete to water-cure for approx. 7 days before application.

Application: Apply uniformly in one direction and allow to dry before inspecting and applying subsequent coats at right angles to ensure complete coverage.

Coverage: Approximately 4 to 5 m^2 per litre @ 200 micron DFT, depending on surface conditions.

Packaging & Storage

- Available in 20-liter and 180 kg units.
- Store under cover, out of direct sunlight, with a shelf life of 12 months.

Health & Safety Precautions

- Non-hazardous under current regulations but avoid ingestion and contact with skin and eyes.
- Wear suitable protective gear and wash off splashes with water.

Important Note

While GSM provides reliable technical information, no warranty is implied due to the variability of application conditions and labor competence. Customers are responsible for ensuring product suitability and compliance with recommended usage conditions.

This technical data sheet for GSM Masonry Coating provides essential information on its application, benefits, and safety guidelines, designed to assist professionals in achieving long-lasting protection and aesthetic enhancement of concrete and masonry surfaces.