



# SOLIDCOAT

PROTECTIVE, DECORATIVE, ANTI-CARBONATION COATING  
FOR INTERIOR AND EXTERIOR SURFACES



PROTECTIVE  
COATING



## BENEFITS

- > Anti-carbonation properties.
- > Good weathering properties.
- > Excellent bond with concrete substrate.
- > Form flexible film.
- > Gap bridging properties.
- > Allows substrate to breathe.
- > Choice of colors.
- > Single pack, brush applied.
- > Non-toxic / non-flammable.
- > Excellent waterproofing coating.
- > Economical.

## DESCRIPTION

**SOLIDCOAT** is ready to use aliphatic elastomeric based coating containing special polymers and fillers.

**SOLIDCOAT** provides extremely tough protective decorative coating that allows surface to breathe.

**SOLIDCOAT** has been specially designed for the decoration and protection of concrete against attack from atmospheric carbon dioxide, airbourne chlorides, acid rain, weathering etc. **SOLIDCOAT** is non flammable and hence can be use in interiors also.

**SOLIDCOAT** has excellent adhesion to the substrate and cures to form a flexible film that allows the surface to breathe and acts as carbon dioxide barrier thus protecting the concrete in aggressive weather conditions. It has excellent gap bridging ability, does not age with time, and forms an extremely durable film.

## PRODUCT

**SOLIDCOAT** is a smooth protective, decorative anti carbonation coating for exterior and interior surfaces with exceptional weathering characteristics conforming to SIRIM Standards.

## USES

**SOLIDCOAT** provides a smooth decorative durable coating for concrete and masonry surface like big commercial buildings, public places, residential buildings etc.

## PROPERTIES

Surface Finish	: Matt
Fire Resistance	: Non-flammable
Application Temperature	: 3°C to 40°C
Drying Time Touch Dry	: 1/2 hours to 4 hours (depends upon temperature and humidity)
Thorough Dry	: 2 hours to 12 hours
Carbon Dioxide Diffusion	: 690,000 (based on
Resistance Factor (u)	Engelried technique)
Equivalent to Air Thickness (R):	200m at a film thickness of 209 microns
Effective Barrier to Carbon Dioxide (R)	: > 50m

## APPLICATION METHOD

### SURFACE PREPARATION

Substrates must be clean, sound and free from dust and loose particles. All holes and cracks must be filled with a suitable filler. All traces of oil, grease or other contaminations must be removed. The new concrete surface must be atleast 14 days old before coating if in doubt, allow full curing to take place for 28 days before application of **SOLIDCOAT**.

### PRIMING

On old and porous surfaces, ensure that the substrate is sound and dilute 2 parts of **SOLIDCOAT** to 1 part of water and prime the surface. When it is tacky or touch dry (i.e after 1/2 to 3 hours), apply **SOLIDCOAT** on the primed surface.

### APPLICATION

Stir the material in the container thoroughly and spread evenly with a brush, roller or airless spray. Avoid application during rainy weather. In hot, dry weather, dampen unpainted surfaces with water to prevent **SOLIDCOAT** drying too rapidly. The surface texture and porosity must be taken into account while estimating quantities.

### CLEANING

Tools should be cleaned with water immediately after use.

## PACKING & COVERAGE

**SOLIDCOAT** is supplied in 1, 5 and 20kg bucket and will have coverage of 4-5m<sup>2</sup>/kg/two coats (recommended DFT 200 microns). The coverage of **SOLIDCOAT** depends on the surface.

## SHELF LIFE & STORAGE

**SOLIDCOAT** will have a shelf life of 12 months in unopened container when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

## HEALTH & SAFETY

If skin contact occurs wash thoroughly with clean water and if eyes contact occur immediately clean with plenty of clean water and seek medical advice. Full health and safety details are given in product safety datasheet.

## SPECIFICATION

**SOLIDCOAT** is a ready to use aliphatic elastomeric based coating containing special polymers and fillers having a coverage of 4-5m<sup>2</sup>/kg/two coats in accordance with the instruction of SOLID.

## QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

## TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

**Disclaimer:** The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local SOLID representative.



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**SOLID GREEN TECH SOLUTIONS SDN. BHD.**  
(Co.No.1018765-P)

### FACTORY OFFICE

Lot 772 (10-14), Jalan Subang 4,  
Kaw. Perindustrian Penaga,  
46720 Subang Jaya, Selangor, Malaysia.

+603-8081 4777 / +603-8081 4776

+603-8081 4771

info@solidsolutions.com.my

www.solidsolutions.com.my

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