



# SOLIDFLEX CW

POLYMER MODIFIED CEMENTITIOUS WATERPROOFING COATING



WATERPROOFING



## BENEFITS

- > Prepacked easy to use waterproofing coating.
- > Ensures excellent waterproofing characteristics.
- > Excellent adhesion.
- > Flexibility.
- > Allows surfaces to breathe.
- > Economical and cost effective waterproofing system.
- > Minimum surface preparation needed.
- > Non toxic and ideal for potable water tanks.
- > Good resistance to CO<sub>2</sub> and chloride ion diffusion.
- > Ease of application - brush applied.

## DESCRIPTION

**SOLIDFLEX CW** is prepacked two component powder and liquid polymer consists of processed cement and special fillers that can be applied on well prepared sound substrates to provide extremely tough durable waterproof coating 2-3mm thick on water tanks, basements etc. **SOLIDFLEX CW** must be use in conjunction with **SOLIDFLEX FBR** where water under hydrostatic pressure exists.

## USES

**SOLIDFLEX CW** is used to all structures that are required to be waterproofed and protected against the ingress of moisture like basements, water tanks, swimming pools, retaining walls, bridge walls, tunnels, lift shafts, sewage tanks, reservoirs, dams, dock gates etc. **SOLIDFLEX CW** provides a tough and durable coating and it cannot be easily damage or worn out.

## STANDARD COMPLIANCE

**SOLIDFLEX CW** complies with **BS 6920 (Section 4.2.8 immersion test ASTM C 307)**.

## PROPERTIES

Pot Life at 25 C	: 40 minutes
Pot Life at 35 C	: 20 minutes
Consistency	: Brushable consistency
Color	: Grey
Application Temperature	: 10°C to 40°C
Toxicity	: Non toxic

## APPLICATION METHOD

### SURFACE PREPARATION

All leaks and water jets must be stopped using **SOLID WATERPLUG** plugging compound (refer relevant data sheet). Substrate must be sound, clean and free from loose particles or contamination and preferably be wire brushed. Cracks if present shall be sealed / repaired with **SOLIDFIX**. Stirring should be done during application.

### MIXING

**SOLIDFLEX CW** should preferably be mixed mechanically by using an electric drill. Pour the liquid polymer in the container first and add powder slowly while mixing continuously until an even homogeneous mix is obtained.

### APPLICATION

The prepared surface must be thoroughly wet with water for absorption and excess water to be removed. **SOLIDFLEX CW** must be applied in 2-3 uniform coats. Mixed **SOLIDFLEX CW** will remain brushable for 20 minutes @ 35°C. Mixing in small quantities is recommended. For moderate and heavy load areas minimum 2mm thickness coating is recommended.

### CLEANING

All tools must be cleaned with water immediately after use. Hardened material should be removed mechanically.

### ADHESION TO CONCRETE

> 1 N/mm<sup>2</sup>

## PACKING & COVERAGE

PACKING	COVERAGE
22kg powder + 5litre liquid	25m <sup>2</sup> to 26m <sup>2</sup>

\* 2 or 3 coats are recommended.

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## SHELF LIFE & STORAGE

**SOLIDFLEX CW** will have a shelf life of 24 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.

## ADDITIONAL INFORMATION

For trowelled finish, **SOLIDFLEX CW** can be used as primer followed by SOLIDFLEX FBR which is to be trowelled on tacky primed surface upto required thickness (recommended thickness is 5 to 10mm). See the separate data sheet of SOLIDFLEX FBR for more information.

## HEALTH & SAFETY

**SOLIDFLEX CW** is non toxic but alkaline in nature and any splashes on the skin shall be washed off with water.

## SPECIFICATION

**SOLIDFLEX CW** is a polymer modified cementitious waterproof coating that can be applied over well prepared sound substrates to provide extremely tough durable waterproof coating, which can be used strictly 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.

 solidgreentech  @solidgreentech

 @solidgreentech  solidgreentech



**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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