



# SOLIDFLEX CW

Polymer Modified Cementitious Waterproofing Coating



## 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 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 ~ 3 coats thick on water tanks and basements. **SOLIDFLEX CW** can 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.

## PACKING & COVERAGE

**Packing :** (Part A) 20 kg HDPE bag + (Part B) 5 kg jerry-can.

**Coverage :** 1 kg / m<sup>2</sup> / coat.

\* 2 ~ 3 coats are recommended

\*\* **NOTE :** **SOLIDFLEX CW** comes in a variety of packing sizes. Please check with Solid's representative for more information.

## STANDARD COMPLIANCE

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



## 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 up to required thickness (recommended thickness is 5 ~ 10 mm). See the separate data sheet of **SOLIDFLEX FBR** for more information.

## 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 ~ 45 °C. Storage at higher temperature or high humidity may reduce shelf life.

## PROPERTIES

Pot Life at 25 °C	40 minutes
Pot Life at 35 °C	20 minutes
Consistency	Brushable consistency
Color	Grey
Application Temp.	10 ~ 40 °C
Toxicity	Non toxic

## HOW TO USE

**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 2 mm 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>

## 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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