



SOLIDFLEX CW (1K)

Polymer Modified Flexible Cementitious Waterproofing Coating



BENEFITS

- > Single component, need only water addition.
- > Non-toxic, approved for use in contact with potable water.
- > Fungus, mould resistant.
- > Excellent bond to porous and non-porous surfaces.
- > Breathable.
- > Durable, excellent protection against carbon dioxide, chloride ions and water.
- > Cost effective, quick and easy brush or spray application.
- > Suitable for internal and external applications.

DESCRIPTION

SOLIDFLEX CW (1K) is a one component, flexible polymer modified cementitious waterproof coating suitable for internal applications.

SOLIDFLEX CW (1K) provides a hardwearing, seamless, waterproof membrane for potable water retaining structures, tanks, basements, foundations culverts.

USES

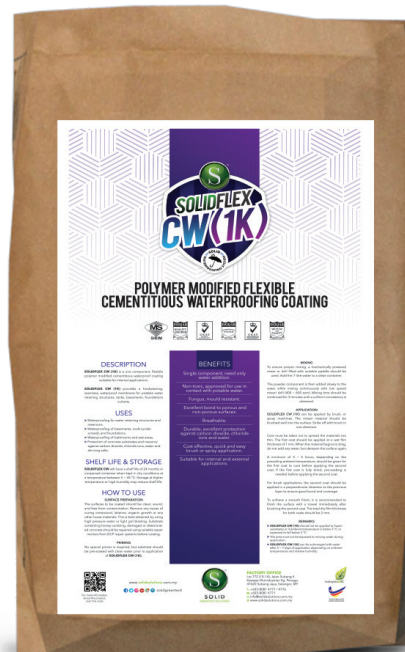
- > Waterproofing for water retaining structures and reservoirs.
- > Waterproofing of basements, roofs (under screed), and foundations.
- > Waterproofing of bathrooms and wet areas.
- > Protection of concrete substrates and masonry against carbon dioxide, chloride ions, water and de-icing salts.

PACKING & COVERAGE

SOLIDFLEX CW (1K) is comes in a standard in 25 kg HDPE Bag. The product can cover approximately 20 ~ 23 m² / 25 kg bag for one coat @ 1 mm thickness.

SHELF LIFE & STORAGE

SOLIDFLEX CW (1K) will have a shelf life of 12 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.



HOW TO USE

Surface Preparation : The surfaces to be coated should be clean, sound, and free from contamination. Remove any traces of curing compound, laitance, organic growth or any other loose materials. This is best obtained by using high pressure water or light grit blasting. Substrate containing honey combing, damaged or deteriorated concrete should be repaired using suitable repair mortars from DCP repair systems before coating.

Priming : No special primer is required, but substrate should be pre-soaked with clean water prior to application of **SOLIDFLEX CW (1K)**.

Mixing : To ensure proper mixing, a mechanically powered mixer or drill filled with suitable paddle should be used. Add the 7 litre water to a clean container.

The powder component is then added slowly to the water while mixing continuously with low speed mixer/drill (400 ~ 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

Application : **SOLIDFLEX CW (1K)** can be applied by brush, or spray machines. The mixed material should be brushed well into the surface. Strike off with brush in one direction.

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Care must be taken not to spread the materials too thin. The first coat should be applied at a wet film thickness of 1 mm. When the material begins to drag, do not add any water, but dampen the surface again.

A minimum of 3 ~ 5 hours, depending on the prevailing ambient temperature, should be given for the first coat to cure before applying the second coat. If the first coat is fully dried, pre-soaking is needed before applying the second coat.

For brush applications, the second coat should be applied in a perpendicular direction to the previous layer to ensure good bond and coverage.

To achieve a smooth finish, it is recommended to finish the surface with a trowel immediately after brushing the second coat. The total dry film thickness for both coats should be 2 mm.

Remarks

- > **SOLIDFLEX CW (1K)** should not be applied to frozen substrates or if ambient temperature is below 5 °C or expected to fall below 5 °C.
- > The area must not be exposed to moving water during application.
- > **SOLIDFLEX CW (1K)** can be submerged with water after 5 ~ 7 days of application depending on ambient temperatures and relative humidity.

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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