

# TECHNICAL DATA SHEET

# WPS FC

A flexible, ready-to-use, quick drying waterproofing membrane



## DESCRIPTION

WPS FC (single component) is an acrylic waterproofing membrane with high flexibility and high performance, suitable for waterproofing on concrete, masonry and other common substrates.

Class III: AS/NZS 4858:2004 Wet area membranes

## FEATURES

- One component – ready to use
- High performance
- Safe and easy to use
- Fast curing, able to be tiled over after only 4 hours
- Resists hydrostatic pressure of up to 0.5kg/cm<sup>2</sup>.
- Class III membrane certified to AS/NZS 4858:2004 wet area membranes
- Low VOC

## USES

- Internal Wet Areas (bathrooms, laundries and tile areas)
- External Balconies, decks, podiums, terrace floors
- General tiled areas to prevent moisture ingress

## SPECIFICATIONS

Main Constituents	Acrylic resin
Net Weight	Available in 16kg / Bucket,
Specific Gravity	1.4 ± 0.05
Open Time	30 minutes, approx.*
Shelf Life	12 months
Colour	Blue
Drying Time	1-2 hours to applying second coat 4-6 hours to tiling or other finishes
Bond Strength	1.9MPa
Tensile Strength	2.1MPa
Elongation	+500%

\* Depends on temperature, humidity, surface permeability, etc.

\* Under generally accepted hygrothermal conditions

## COVERAGE

Two Coat	0.7 – 1.0 kg / m <sup>2</sup>
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\* Guidance only. Figures may vary depending on substrate properties, workmanship, etc.

## SUITABLE SUBSTRATES

Concrete, brickwork, plaster, dry bases such as plasterboard

## SUBSTRATE PREPARATION

Before applying, ensure:

- Mortar substrates (concrete, etc.) have fully cured for at least 4 weeks;
- Substrate remains even with the minimum undulation (meaning up to 3mm-rises in any given 2.4m linear section is acceptable) and sharp protrusions are removed;
- Substrate is clean and free from foreign substances such as dust and grease;
- Absorptive substrates (such as ALC blocks) are primed using SSANGKOM Morgreen or SSANGKOM ALC Primer to improve bonding;
- Substrate remains dry;
- Porous substrate with high absorbency should be saturated with water sprayed on the substrate surface.
- Substrate is not exposed to contraction and excessive vibration;
- Ensure surface temperatures are kept within 5 - 25° C.
- Substrate remains structurally solid and durable; and
- Substrate surface unevenness that may hinder tile adhesion is removed.

IMPORTANT: All substrate preparation works and the installed substrate must comply with the relevant Australian Standards.

## APPLICATION

All work must be carried out in accordance with relevant Australian standard(s).

- Prime the substrate with SSANGKOM Waterproof Primer, using a brush or roller. Allow to cure prior to application of WPS.
- Once the surface has cured adequately, apply the membrane.
- Apply a minimum of 2 coats at a total rate of 1kg/m<sup>2</sup> to achieve a dry film thickness of 1mm.
- Once the first coat has dried, apply a second coat. Apply an even and consistent coat of approximately 0.5mm thickness.
- Allow 1-2 hours between coats.



- Allow 4-6 hours prior to tiling.
- Allow 24-48 hours for water testing.
- Ensure the applied area is properly cured prior to commencing any further work.

## NOTE CLEAN-UP

Tools and excess WPS FC can be cleaned up with water while the product is still wet.

## PRECAUTIONS

### General

- Recommendations and suggestions are for guidance only. If any doubt about suitable preparation of tile types, etc., be sure to contact SSANGKOM prior to application.
- Apply directly from the container. Do not mix with other products.
- Allow for extended curing time if weather succeeding application proves inclement (temperatures below 5°C).
- Do not apply directly on frozen or frosted surfaces.
- Use and store only in temperatures between 5 - 35°C.
- Application in excessively humid environments, or upon high moisture content substrates, may cause changes in drying time, and discolouration, however performance will not be affected.
- Do not apply to areas subject to negative hydrostatic pressure.
- Protect the product from direct light, moisture, and heat.
- Use a brush to apply to the corners, drainages, or any other areas of detail to create an impenetrable barrier against infiltration.
- To reduce the possibility of surface contamination, it is recommended that tiling, plastering, etc., be carried out as soon as the membrane has cured.
- Curing time may vary according to the thickness, climate, humidity, surfaces, and site conditions. Allow longer drying times in cool or damp weather conditions.

## HEALTH

Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

## SAFETY

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Only use outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF INHALED: Remove affected person to an area with fresh air and which is comfortable to breathe in. IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses, if present and convenient to do so. Continue rinsing. If symptoms appear, and/or if feeling unwell, contact a poisons information hotline or other relevant medical provider.

## FIRST AID

Eye contact: Immediately flush eyes and skin with running water for at least 20 minutes. Seek medical attention.

Skin contact: Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention. Remove substance immediately if contacting skin. If small amount of substance contacts skin, prevent subdermal diffusion.

Inhalation: Keep warm and at rest. Immediately seek medical attention. If breathing has stopped or is irregular, supply oxygen and give artificial respiration. If present evacuate dust and fumes by blowing clean air into the space, and take medical action if symptoms develop. Move person to fresh air.

Ingestion: Immediately seek medical attention. Rinse out mouth with drinking water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

AUSTRALIAN POISONS INFORMATION CENTRE: 13 11 26 (24 HOUR SERVICE), 000 (POLICE OR FIRE BRIGADE)

## NOTES

The details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time this Technical Data Sheet is printed. Contents in this Technical Data Sheet and the product properties may change without notice.

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Data was developed by the researchers in SSANGKOM in-house laboratory and based on the hands-on work experiences. To improve product quality, data may change without notice. Data may not be optimized in some sites. Consult SSANGKOM should you have any doubts.

## TECHNICAL DATA SHEET

WPS FC  
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