

(SOLVENT Base)

Recommended specification:

FC Clean - advised to remove dirt, oil, grime.

FC 910 Tile Seal - Topcoat (2 coats)

A COMPLEX SILANE / SILOXANE COMPOUND WITH OUTSTANDING WATERPROOFING PROPERTIES AND HIGH DURABILITY.

Description

FC 910 Tile Seal - Unlike ordinary waterproofing solutions the treated surface may be over-coated when required without loss of adhesion. When applied **FC 910 Tile Seal** can hardly be detected preserving the appearance and character of the substrate. It is ideal for use on brickwork, concrete and other porous surfaces exposed to the weather.

FC 910 Tile Seal is easily applied by conventional methods and will remain effective for many years. An important property of **FC 910 Tile Seal** is its ability to reduce dirt retention even on rough substrates.

Uses

FC 910 Tile Seal is suitable for use on most mineral surfaces since its action is to penetrate deeply and prevent the absorption of water - For use on cement/lime sand finishes, pebble dash, weathered asbestos cement sheets, concrete, brickwork (excluding dense or semi-glazed engineering bricks), natural and artificial stone.

Performance Data

FC 910 Tile Seal does not allow the penetration of water into porous substrates, due to its ability to shed water upon contact. The product is easily applied by brush or spray apparatus by flooding over the surface and is suitable for use in pressure injection equipment. Tests indicate that

FC 910 Tile Seal will remain effective for a period of at least 5 years, with the exception of highly alkaline substrates e.g. limestone, when effective life would be within the region of 3 years.

FC 910 Tile Seal has the added advantage of reducing dirt retention on masonry, which is of special value on raw sandblasted surfaces.

Weather Proofing

The full water repellent properties of the product are achieved as soon as it is dry. The treatment renders the surface water repellent but does not seal it. The water vapor permeability of the substrate will not be significantly affected and will allow the passage of water vapor, thus enabling overloaded substrates to dry out.

Properties

Colour:	Clear
Gloss Level:	N/A
Application Method:	Brush, Roller or Spray
Drying times:	(25°C, 50% RH)
Touch Dry:	30 minutes
Re-Coat:	2 hours
Flammability:	Flammable Solvent
Viscosity:	12 FC/4
Spread Rate:	10-16m ² /l per coat @ 20 µm DFT
	This serves as a guide only
Clean-Up:	Solvent

Maintenance

Periodic re-coating of the masonry will be necessary to maintain water repellency. On all masonry materials, apart from high alkali limestone, this is envisaged being necessary after every 10 years. Brushes or tools may be cleaned with White Spirit or other Solvent substitute.

Application instructions

Surface preparation

FC 910 Tile Seal is applied freely by brush or spray apparatus. The product must be liberally applied in one coat to all porous surfaces and coverage will depend upon the absorbency factor, varying between 10 and 16 m²/lt.

On very high suction surfaces this may be reduced to only 6 -8 m²/lt. To achieve maximum results, 2-3 coats will be required. The surface drying time will vary depending upon the temperature, but under normal circumstances will take 2 hours.

Before the application of **FC 910 Tile Seal**, the surface should be free of all forms of contamination such as grease, oil, lichens, excessive dampness and dusty deposits. If a high degree of dampness is suspected, the surface should be allowed to dry out before applying the treatment. Dusty deposits, algae and loose flaking materials should be removed with a wire brush in order to present a surface which is easily treated.

Any obvious cracks or defective points must be made good before treatment, otherwise **FC 910 Tile Seal Clear** may not bridge sufficiently to avoid rain penetration. This does not apply to hairline cracks which do not require any form of treatment

Application

Mixing: Shake/Stir thoroughly.

Method: Brush, roller or airless spray.

Thinning: Not recommended - Ready for use.

Cleaning: Solvent

Safety Precautions

Keep out of reach of children. Ensure good ventilation during application and drying. In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. Harmful if swallowed. Do not induce vomiting. Seek medical attention.

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : **FUTURSEAL FC 910**

Date Issued : 02/04/2021

CAS no. : n/a

EC no. : n/a

UN No. : 1263

SAPMA : 4-H-C

In emergency contact FuturSeal, Cape Town at +27 21 203 3058.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification : Not classified as hazardous

No significant quantity of classified hazardous substances present. (CL/RL = Controlled/Recommended level 'S' = Skin annotation)

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 4-MINIMAL - No great risk to health
 Inhalation : Avoid exposure to vapours, fumes and mists. Skin : No hazard expected if used in moderation. Eyes : No direct hazard is expected but possible contact with any chemical must always be avoided. Ingestion : Irritating and nauseating. No carcinogenic, mutagenic or genetic effects established. May have short term environmental effects. Contain, monitor & remove.

SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air.

Skin : Always wash after handling chemical substances.

Eyes : In case of any contact and discomfort rinse well with water and seek medical advice.

Ingestion : Wash mouth with plenty of water. Do NOT induce vomiting. seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Dried residues - combustible with toxic fumes. No direct explosion hazard expected.

SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Keep out of drains and sewers

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating : 4-H-C

PPE : Eye protection

Inhalation : In case of insufficient ventilation, use suitable respiratory protection.

Skin : Use only as directed.

Eyes : Avoid direct contact. Never touch eyes with dirty hands or gloves.

Ingestion : Observe the rules of hygiene. Wash before eating, drinking or smoking.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : Non-hazardous material
Description : Viscous liquid
Smell : Pungent
FlashPoint (C) : n/a

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions
Inert - no reaction with fire-fighting water

SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects established

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

SECTION 13. DISPOSAL INFORMATION

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous for transport



SECTION 15. REGULATORY INFORMATION

EC Label: Not applicable Contains: WHITE SPIRIT (WS3) Xn EC Classification: R10 S2, 16,28,33,38,43
R10 - Flammable
S2 - Keep out of reach of children. (Retail sales items)
S16 - Keep away from sources of ignition - No smoking
S28 - After contact with the skin, wash immediately with plenty of soap & water or a recognized skin cleaner.
S33 - Take precautionary measures against static discharges
S38 - In case of insufficient ventilation, wear suitable respiratory equipment
S43 - In case of fire, use water fog, foam or powder - Do not use water jets!

SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996) OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991) All information is given in good faith but without guarantee in respect of accuracy.
No responsibility is accepted for errors or omissions or the consequences thereof.

Note:

- The recommendations contained in these data sheets are based on results obtained from tests and experience. It is believed to be reliable but is given as a guide only.
- No guarantee is implied by the recommendations contained herein since conditions of use, method of application and preparation of the substrate prior to painting are beyond our control.
- Our technical section should be contacted to clarify recommendations and specifications for projects, either of a specific or general nature.