

(Water Base)

Recommended specification:

FC WASH Advised for algae or fungal growth.

FC CLEAN Advised to clean substrate

FC 200 – Primer

FC 700 - Topcoat (2 coats – surface dependent)

A cost-effective heat & UV reflective addition to roof insulation system.

Description

FC 700 Thermal Seal is a water-based pure acrylic heat reflective coating. It has advanced ceramic bead technology with reflective properties of up to 40%.

It will cool your home in summer, insulate your roof in winter and also waterproof your roof. The product is environmentally friendly and does not emit noxious fumes and odours during and after application.

Low sheen/silk fine texture finish available in White and Light Grey.

Due to the unique formulation, the paint acts as a one-way membrane, allowing moisture to escape to the surface and has excellent heat reflective properties.

FC 700 Thermal Seal has excellent adhesion to practically any surface and is colour fast, fungi retarded and heat resistant. (UV protection by natural pigmentation).

The product will not harden or deteriorate with age and can withstand aggressive scrubbing and has a low flame index. It is also non-toxic.

Uses

***FC 700 Thermal Seal** has seal and adhering properties and can be applied to concrete, metal, wood etc. The ideal area for application is metal / tile roofs.

Properties

Colour:	White or Light Grey
Gloss Level:	Satin
Application Method:	Brush, Roller or Spray
Drying times:	(25°C, 50% RH)
Touch Dry:	45 minutes
Re-Coat:	2 hours
Flammability:	Non-Flammable
Spread Rate:	4-6 m ² /l per coat This serves as a guide only
Clean-Up:	Water

Maintenance

No special requirements. Any damage identified during normal inspections should be repaired or replaced as required.

Application instructions

Surface preparation

Before application, surfaces must be cleaned with **FC Clean** to help remove all loose material, particles and any contaminants.

*Clean with **FC Wash** if algae or fungal growth is a problem.

Previously painted and old primed surfaces must be cleaned with **FC Clean** to remove all grease, paint and loose friable dirt.

No other paint should be applied over Zero V.O.C Environmental Maintenance Technology Products as this will defeat the purpose of the technology.

Application

Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.

Apply one coat of ***FC 200 Rust Seal** as a primer coat and allow to dry.

Apply a minimum of two (2) coats **FC 700 Thermal Seal** with brush, roller and spray. (Contact sales representative for Spray Equipment Specifications)

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.

* Contact your sales representative

FUTURSEAL FC 700

MATERIAL SAFETY DATA SHEET



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : **FUTURSEAL FC 700** 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 for hygiene. Wash before eating, drinking or smoking.



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 no. : n/a

EC Classification : Not classified as hazardous

S2 - Keep out of reach of children. (Retail sales items)

SECTION 16. OTHER INFORMATION

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.