



FLEXSHIELD UV

TECHNICAL DATA SHEET



PRODUCT DESCRIPTION

FLEXSHIELD UV is a single component paintable sealant primarily designed for sealing of small joints or cracks. It is UV resistant and has excellent durability. It has an optimum viscosity allowing the product to seep into cracks and holes to form a watertight, weatherproof seal.



RECOMMENDED APPLICATIONS

- ✓ Tile sealing solution
- ✓ Gap sealant suitable for concrete, wood, ceramic tiles and fiber cement boards
- ✓ Window pane sealant
- ✓ Exterior walls



ADVANTAGES

- ✓ Seals damp surfaces
- ✓ UV resistant and can withstand extreme weather conditions
- ✓ Excellent adhesion to concrete, wood, ceramic tiles and fiber cement boards
- ✓ Mildew and fungus resistant
- ✓ Low dirt pick-up
- ✓ 250% elongation which allows for the excellent crack bridging capability
- ✓ No primer required
- ✓ Alkaline and acid stable
- ✓ Durable, breathable and weatherproof
- ✓ Withstands normal hydrostatic pressure



PRODUCT INFORMATION

Appearance: Viscous Clear Gel
Packaging: 1 gallon and 16L pail
Shelf Life: 12 months
Storage Conditions: Store in a cool, dry place



TECHNICAL INFORMATION

Curing Time: 24 hours
Coverage: 13 to 15 sqm per per gallon
Dry Film thickness: 50 microns
pH: 9.06
Shelf life: 12 months
Specific Gravity: 1.0689 @25 deg C
Viscosity: 96.4 ku @25 deg C



LIMITATIONS

FLEXSHIELD UV is not designed to withstand extreme conditions usually present in industrial applications with extreme heat, pressure and heavily corrosive environment

FLEXSHIELD UV is not recommended for use on potable water containers

FLEXSHIELD UV is not designed to have anti-root properties and therefore should not be used in plant boxes



APPLICATION INSTRUCTION

SURFACE PREPARATION. To ensure the optimum adhesion, scratch the surface with sandpaper or steel wool. Make sure that the surface is clean, dry and free from grease, dirt and oil.

APPLICATION. Gradually build the membrane by applying multiple thin coats. Allow 30 mins of drying time in between coats. The number of coats depends on the porosity of the substrate. The proper drying time in between coatings will allow for the proper absorption of the product.

CURING TIME. Allow for 24 hours for the product to completely cure. Cool temperatures and high humidity will slow cure. It is not a structural component and it is not intended to bridge large voids. Overapplication may result in slumping, dripping, or unsightly appearance

PROPER STORAGE. Ensure that the lids are closed after use to prevent skinning.



HEALTH & SAFETY

A dust mask should be used when handling FLEXSHIELD UV. Gloves should be worn during application.

The Volatile Organic Compound (VOC) content is also optimized to ensure the maximum benefits and minimal VOC emission.



QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.



SUSTAINABILITY

Our company is committed to Carbon Neutrality thru our various programs such as our GHG Emission Reduction Logistics Approach and OPTI Trees Planting Program.



ENVIRONMENT

Our facility complies with the proper waste management procedures. Our products are also free of ozone depleting substances.