



TechnoFlex® Roofguard-Fybro

Single-component, High build Micro-fibers reinforced Acrylic Highly Elastomeric Liquid roofing Waterproofing Membrane.

Description:

TechnoFlex® Roofguard-Fybro is a high build fibre-reinforced, highly elastic acrylic based liquid waterproofing membrane, specially formulated to seal, protect and waterproof roofs in extreme tropical climates. It is designed for easy roller applied, brushable coating available in different colours for application in multiple layers for all types of roofs, Minimum 3 layer application is recommended for best performance.

TechnoFlex® Roofguard-Fybro is supplied in the form of a one-component thixotropic paste, ready to use. Once polymerised it is transformed into an UV rays resistant and non-degradable elastomeric membrane, providing a crack-bridging, protective and 100% waterproof coating. It has good adhesion to all common substrates while retaining its elasticity for a long time. When applied, it forms a membrane without joints that seals the surface but at the same time allows it to "breathe".

Typical applications include

TechnoFlex® Roofguard-Fybro can be used for following application-

- Building Roofs / Terraces – Flat & Slope.
- Galvanized metal sheets
- Over existing cementitious waterproofing treatments like sound brick-bat coba, concrete screeds, acrylic coatings, etc.

Features and Benefits

- Waterproofing- Provides excellent water resistant barrier on roof /terrace
- Tough and abrasion resistant- Suitable for light foot traffic
- Highly durable and light weight- UV resistant and needs no extra protective screed
- Flexible and elastic- Accommodates movements in waterproofing system and covers and bridges hairline cracks
- Easy to apply- One component, Ready for use, No need to remove the existing system. Can be brush or roller applied on vertical surfaces without sagging.
- Weather resistant- Excellent resistance in weathering, high durability to moisture, frost & UV radiation
- Fiber Reinforced- it does not require incorporation of FIBERGLAS NET with the exception of small spot repairs.
- Breathable- Provides water- vapor permeability, allowing the surface to "breathe"

Health and Safety instructions

Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person. Wash hands thoroughly after handling. Wear protective clothing, gloves & eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and

Method of Application

Surface Preparation

Ensure the substrate is structurally sound, free of surface laitance, oils, grease, dirt, moss, lichen, and loose material. The surface should be smooth and free from sharp projections and loose debris, and any material which would hinder adhesion. Brush down and clean off, leaving a sound substrate providing adequate bond for the applied slurry. Preparation is usually carried out using mechanical tools such as scrabbles for floors and bush hammers for vertical surfaces. Static cracks greater in width than 1mm must be chased out, dampened down and repaired with a dry pack consistency of TechFin®, TechnoCem™ range of repair mortars. Prior to priming use TechFin®, TechnoCem™ range of repair mortars to achieve a smooth and level surface by filling holes and irregularities.

Priming

Apply a coat of TechnoSeal® FlexiPrime for sealing pin holes and better bonding of TechnoFlex® Roofguard-Fybro.

Coating Application

TechnoFlex® Roofguard-Fybro is a cold applied and ready to use material, it does not need to dilution. It can be applied with brush, roller, airless pump or trowel. It should not be applied in rainy weather, when the temperature below -5°C.

Apply the first coat of TechnoFlex® Roofguard-Fybro at the rate of 2.25 sq.mtrs per Kg/litre and allow it to dry before taking up the second coat, the rate of application being the same. This would ensure correct consumption of material that will deliver a total DFT of 500- 600 micron. Minimum drying time between coats will be 4 to 6 hours. Allow the system to air cure for 7 days minimum.

Cautions / Limitations

- All corners, gaps, joints, protrusions & outlets shall be coated with extra coat.
- Do not apply during rains.
- Substrate MUST be in SSD condition for application of primer.
- The product is designed only for foot traffic and not vehicular or movement of machinery or equipments.
- To achieve the full proof waterproofing, all parapet walls should be covered with TechnoFlex® Roofguard-Fybro.
- All wall to floor joints must be provided with proper angle fillets prepared with polymer modified mortar using TechnoCrete® URP K-10 M.
- If the surface has excess moisture then there is possibility of blister formation in case of all liquid applied membrane coatings.

provincial regulations. Keep container closed when not in use. Keep out of the reach of children.

Please contact with Sterling Technotrade's technical service department for further information and support.

Product only for professional use.

DISCLAIMER: The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

EDITION: 11/2017/001

IDENTIFICATION NO: PD-065

Please note that this datasheet supersedes all previous versions.

Theoretical Coverage

2.25 sq.mtrs. Per kg/litre per coat.
Minimum two coats are recommended.

Technical Properties	
Appearance	Milky White Liquid
Elongation @ Break %	100 (ASTM D 412:2002)
Adhesion Strength N/mm ²	1.0 (ASTM D 4541 : 2002)
Application Temperature	+ 5°C to 40°C
Service Temp.	10°C to 50°C
Crack Bridging	No cracks up to 1 mm (ASTM C 836: 1995)
Solid Content %	55 ± 2 (ASTM D 1475-03)
Viscosity	1500CP+/- 100
Water Ponding Test	No water penetration through the coating layer
Water Absorption (%)	> 20 (ASTM D471)
Adhesion to concrete	Excellent
All values are subject to 5-10 % tolerance	

Packing

TechnoFlex® Roofguard-Fybro is available in plastic buckets of 5, 20 & 30 kg.

Storage & Shelf Life

TechnoFlex® Roofguard-Fybro has a shelf life of 18 months if unopened containers stored in cool dry place.

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed with industrial type solvents or mechanically.

Additional information

Techno Builders Solutions® By Sterling Technotrade India Pvt.Ltd -The Specialist Construction Chemicals Company® range of associated products includes high performance concrete Admixtures, Adhesives, Protective Coatings, Concrete Repairs, Industrial Flooring, Grouts & Anchors, Joint Sealants, Surface Treatments, curing compounds, repair mortars, release agents, Grinding Aids & Waterproofing.

*Separate datasheet are available on these products.

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