TECHNICAL DATASHEET

FIBRATED WATERPROOFING

Polycolor Fibrated Waterproofing is a high-performance, fiber-reinforced coating which is designed to provide exceptional protection against water intrusion and environmental damage. This advanced formulation combines the strength of fibers with a waterproofing compound, making it ideal for various applications, including roofs, basements, and exterior walls.

It comes with 3 years warranty- https://polytolpaints.com/datasheet/warranty-booklet.pdf

PRODUCT BENEFITS

- **Carbonation Protection:** Acts as a robust barrier against carbon dioxide diffusion, safeguarding embedded steel from corrosion.
- **Waterproofing Capability:** Enhanced film thickness enables effective crack bridging and superior waterproofing performance.
- **Flexibility:** Highly flexible formulation effectively covers hairline cracks (≈1.25mm), preventing water pressure.
- **Durability:** Tough film structure resists damage from wind-driven rain.
- **Elastomeric Properties:** Exceptional elasticity accommodates stresses from thermal expansion and contraction.
- **Ready-to-Use:** No dilution necessary; ready for use.
- **Microbial Resistance:** Protects against fungal and algal growth, helping to preserve aesthetic appeal.
- **UV Stability:** Excellent resistance to UV rays, ensures long-lasting color retention and an attractive finish.
- **Low Dirt Attraction:** Minimal dirt accumulation makes cleaning effortless, maintaining visual appeal.
- **User-Friendly Application:** Easily applied with a brush, roller, or spray, ensuring a smooth application process.

SURFACE PREPARATION

Surface Preparation for New Substrate

New surfaces: Surface must be thoroughly cleaned, free of dust & grease and washed well with water. Treat any areas affected by algae, moss or fungal growth with **Polycolor Fungicidal Wash & Treatment**. If cracks of up to 3mm is present, it shall be treated with **Polycolor Waterproofing Crack Filler.**

Surface Preparation for Old/Repainted Substrate

Existing substrates must be cleaned to remove all dirt, mildew and other contaminants. Treat any areas affected by algae, moss or fungal growth with **Polycolor Fungicidal Wash & Treatment**. This is accomplished by pressure-cleaning equipment with a minimum capability of 100-140 bar water pressure. All grease, oils and asphalt materials must be removed completely. Also, remove any other old film on the surface.

Sealing: After the proper surface preparation and curing of repaired areas, wash the surface well and maintain it. In dry surface condition, proceed with priming by using **Polycolor Durabond A;** dilute with water in 1:3 ratio (1-part **Polycolor Durabond A** diluted with 3 parts **water**). Maintain the spreading for a single coat application to achieve about 20 – 25 microns DFT. Allow it to dry for 6-8 h.

Priming: Apply 1st coat **Polycolor Fibrated Waterproofing** with a dilution up to 30% and let dry for 6-8 hours.

Coating:

1. Apply 2nd coat **Polycolor Fibrated Waterproofing** without dilution.
2. Apply 3rd coat of **Polycolor Fibrated Waterproofing** without any dilution.

PRODUCT FEATURES

Surface	Exterior
Available Pack	1L, 5L and 20L
Shelf life	2 years from date of manufacture in original tightly closed containers.
Available Color	White
Coverage	$3m^2$/L/coat
Finish	Matt
Drying time to touch	60-80 Minutes @ 25 – 35 °C

TECHNICAL INFORMATION

PROPERTIES	STANDARD SPECIFICATION	RESULTS
Elongation %	ASTM D 412	100
Tensile strength, Mpa	ASTM D 412	2.50
Water Resistance	SS 500	Passes
Water Absorption @ 24 h	ASTM D 417	Passes
Water Vapour Transmission	ASTM D 1653	Passes
Accelerated QUV @ 3000 h	ASTM D 4587	Passes
Crack bridging Ability	EN 1062-part 7	Class A4(>1.25mm)
Positive Hydrostatic Pressure	DIN 1048	8 Bar
Anti carbonation	EN 1062-part 6	Complies
Rapid Chloride ion Penetration test	ASTM C 1202	Low
Total thickness	170 - 190 µm	170 µm

- **Fibrated Waterproofing should be left to cure for at least 7 days before water ponding**

- **Typical Application:** All types of exterior masonry surfaces, concrete, cement sand renderings, existing coating and cement sheets

- **Theoretical Coverage:** On normal masonry surface. The spreading capacity of this product will vary according to the roughness and porosity of the surface.

- **Shelf-Life:** Shelf life is up to 24 months from the date of manufacturing in unopened conditions. To be stored in original and unopened packaging in a cool and dry place away from direct sunlight.

PRECAUTIONS, LIMITATIONS AND ENVIRONMENT FEATURES

- Do not dilute.
- Do not apply when ambient temperature is below 10°C or above 35°C.
- Do not apply in direct sunlight or during rain or expected rain.
- Adhesion property may get affected over putty and very smooth surfaces.
- Primer / coating should not be applied on areas where moisture reading (as measured by moisture meter) exceeds 17%. These walls should be left to dry further.
- Stir well and strain before use for topcoat.
- Tinted coating needs thorough shaking immediately after tinter addition as well as before use.
- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- On eye contact: Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- Ingestion: It is based on Water Based Coating system, however, seek medical help.

Left-Over paint disposal:

- Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for disposal of paint/drums.
- The pails/drums should not be used for storing food items.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.