

Multigum fibrata

Viscous decorative and protective pigmented elastomeric fiber-reinforced liquid membrane

Technical specifications

Multigum fibrata is a thixotropic, decorative, and protective walkable elastomeric liquid membrane based on finely dispersed styrene-acrylic copolymers in aqueous emulsion with special additives. The presence in the formulation of special reinforcing fibers, based on polyolefin fibers and silicic acid, ensures excellent resistance to continuous foot traffic as well as high chemical and mechanical resistance. Once dried, it forms a flexible, waterproof, and durable film. It is ideal for waterproofing flat or sloped surfaces, offering excellent chemical and mechanical resistance. It is a suitable solution for problems caused by water infiltration.

The high binder content and the presence of fibers provide the following advantages: waterproofing, high elasticity, resistance to foot traffic, resistance to mechanical stress and weathering, easy application, excellent coverage, and strong adhesion to most substrates.

Multigum fibrata is also used to finish raw concrete or cement-based plaster surfaces before tiling with gres or clinker where bitumen-polymer membranes are not viable; creating a waterproof and bonding layer for subsequent tiling with appropriate cementitious adhesives (category C per EN 12004). It is also suitable for use over bitumen-polymer membranes with slate flakes or mineral granules (adhesion depends on the aging level of the membranes).

Due to its chemical formulation, it is also recommended for waterproofing roofs, canopies, and terraces.

Instructions for use

Multigum fibrata is ready to use.

Stir before application.

Clean the surfaces to be treated: they must be dry, uniform, and solid.

Make sure to remove dust, any loose or crumbling parts, release agents and paints.

The surfaces must be completely dry before application. Concrete surfaces must not have been treated with curing compounds.

Remove dust, loose parts, release agents, and paints.

Surfaces must be free of water stagnation, oil, grease, or dust to ensure adhesion.

Concrete must not have been treated with curing agents.

Ensure tile joints, cracks, movement joints, wall-floor junctions, and other surface irregularities are clean and free of mold or moss (use a wire brush if necessary).

Irregular or rough plaster, holes, voids, gravel nests, and cracks must be saturated.

PVC and polyester substrates should be sanded beforehand.

For old paint or tiles, a preliminary adhesion test is recommended.

Apply a diluted coat (with short-haired roller or brush), ensuring penetration into cracks.

After 12-24 hours (at 20°C and 65% RH), apply a second coat to reach the desired film thickness.

Ensure previous layers are completely dry before proceeding.

Critical areas (e.g., wall-floor junctions, railing anchors): apply generously to create an elastic bridging band.

For new bituminous membranes: wait for full curing. New membranes often release surface hydrocarbons, impairing adhesion. Wait at least 6 months before applying on these substrates.

Highly porous or chalky surfaces: apply a consolidating primer before the membrane.

Application

Apply with a brush, short-haired wool roller, or airless spray at approx. 1 bar pressure with a 4-6 mm nozzle.

Perform preliminary tests on the target surface.

Apply two preferably crossed coats.

For special applications, dilute with up to 5% water.

For micro-cracked substrates, reinforce between layers with nonwoven polyester fabric.

Application temperature: between +5°C and +35°C

Avoid extreme temperatures during application and drying.

Clean tools immediately after use with water. In case of dried product residue, use hot water or common synthetic thinners for removal.

Consumption

Average consumption for two crossed coats: 0.8 to 1.5 Kg/m², depending on surface porosity and desired thickness.

Use of reinforcement fabric will increase consumption based on its type and thickness.

Warnings

Apply only at temperatures between +5°C and +35°C, avoiding fog, rain, or frost during and after application.

Surfaces should have a sufficient slope to prevent water stagnation.

Do not apply on fresh bituminous membranes that might release hydrocarbons, impairing adhesion.

Check residual moisture content in the cement substrate (preferably ≤5% by weight for screeds with a density of 2000 Kg/m³), according to UNI 10329.

Do not store below +5°C.

Do not apply on overheated or overly wet substrates.

Not suitable for tanks, basements, or channels under water pressure or backpressure.

Do not use for surfaces in contact with potable water, edible liquids, solvents, or mineral oils.

Store in a cool, dry place in well-sealed original packaging.

The product is not vapor permeable - rising damp may cause vapor pressure and damage the coating.

Shelf life: 12 months in unopened original containers.

Always conduct a preliminary test before use.

Handle in accordance with standard safety and industrial hygiene practices. Prevent release of the material or its packaging into the environment.

Refer to the Material Safety Data Sheet (MSDS) for detailed handling and safety instructions.

Additional information is provided at the end of this document.

Packaging

Buckets	1Kg
Buckets	5Kg
Buckets	20Kg

CHEMICAL AND PHYSICAL PROPERTIES

Physical state		Viscous liquid
Colour		Grey, red
Smell		Characteristic
Brookfield Viscosity (T=20°C, spindle 6, 10 rpm)	UNI EN ISO 3219	[3.000±600] cP
Density (T=20°C)	UNI EN ISO 2811-1	[1,26±0,04] Kg/L
Dry residue (T=130°C)	UNI EN ISO 3251	50-54%
Dry-to-touch time		2÷3 hours*
Full drying time		24÷48 hours*

*Values recorded at T=20°C and 65% relative humidity. Results may vary depending on the thickness or amount of product applied, as well as site-specific boundary conditions such as temperature, humidity, ventilation, and substrate absorption.

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