

MATIZOL FIBER ROOF

FIBER-REINFORCED, RENOVATION COATING FOR DAMAGED ROOFS

1. PRODUCT DESCRIPTION

Elastomeric liquid membrane reinforced with fibers, designed for the renovation of flat roofs. Thanks to excellent coverage and a thick layer, it is particularly recommended for irregular roofs and those with damaged coverings (e.g. old bitumen felt). It can be applied to typical roofing substrates such as felt, metal, wood, or concrete. MATIZOL FIBER ROOF guarantees 7 years of durability regardless of weather conditions. Its unique formula allows for waterproofing of flat roofs, where water may accumulate, and thanks to the added fibers, there is no need for additional reinforcing fabric. Moreover, the membrane is very quick to apply - only one layer and basic painting tools are required.



AVAILABLE COLOURS:



2. BENEFITS

- ONLY 1 LAYER
- RESISTANT TO WATER STAGNATION
- REINFORCED WITH FIBERS
- WHITE VERSION OF PRODUCT HAS SOLAR REFLECTANCE INDEX SRI: 101

3. APPLICATION AREA

MATIZOL FIBER ROOF is designed for application on flat roofs. With its thick layer and fiber reinforcement, it is especially recommended for the renovation of damaged bitumen roofs and roofs with irregular shapes and many demanding elements. The long reinforcing fibers allow for system application without the use of reinforcing fabric and in just one layer, significantly speeding up the application process. The product is resistant to UV radiation, weather conditions and ponding water.

4. SUBSTRATES

- concrete
- bitumen felts
- bitumen shingles
- fiber-cement boards
- metal*
- wood, including OSB

*For metal surfaces, always perform a test application to verify final adhesion

5. SUBSTRATES PREPARATION

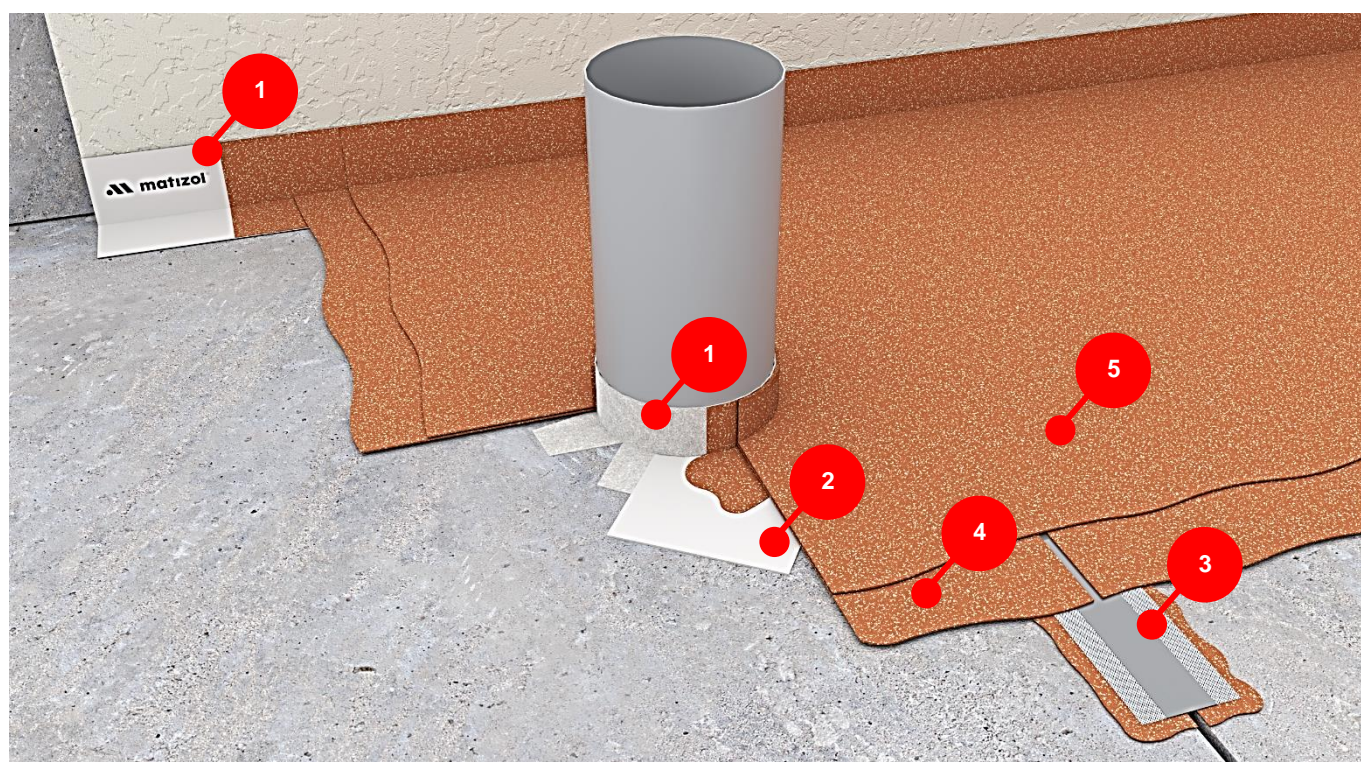
Thoroughly clean the surface of dust, loose elements, oil, or substances not bonded to the substrate. The application should be performed on a dry surface. Check whether the substrate and the surface beneath it are not wet to avoid the formation of air bubbles due to vapor pressure. The best method is to apply a polyethylene film sealed with tape in a sunny location and check after 24 hours for any signs of condensation. If no water condensation is present, you can apply MATIZOL FIBER ROOF. However, if condensation is found, wait until the substrate is completely dry. Mix the product before applying.

6. APPLICATION

The product is ready to use and can be applied with a roller, brush, or airless sprayer at temperatures from +5°C to +35°C. It can be applied in one layer with a consumption rate of 1.6 kg/m². For a two-layer application, the consumption should be 0.8 kg/m² per layer. Wait at least 24 hours between the application of the first and second layers and apply the second layer only after the previous one has fully dried. When using a roller for application, it is recommended to take the product from the inside of the bucket to collect the right amount and better wet the tool. During the first 24 hours after application, the surface should be protected from water, rain and snow.

To ensure the continuity of waterproofing at the junction of vertical and horizontal surfaces, use the self-adhesive **MATIZOL CORNER TAPE PP-BUTYL**. For waterproofing and sealing around openings such as drains, ventilation pipes, other installation penetrations, or around pipes and drains, use the self-adhesive **MATIZOL COLLAR PP-BUTYL** square butyl patch.

Illustration 1: Application and detailing of elements in the MATIZOL FIBER ROOF system.



1. MATIZOL CORNER TAPE PP-BUTYL
2. MATIZOL COLLAR PP-BUTYL
3. MATIZOL JOINT TAPE PV-ELAST
4. Application of MATIZOL FIBER ROOF: in 1 layer (1.6 kg/m²) or in 2 layers (0.8 kg/m² per layer)
5. Possible application of the second layer of MATIZOL FIBER ROOF: 0.8 kg/m²

CONSUMPTION: 1.6 kg/m² in two layers (0.8 kg/m² per layer) or 1.6 kg/m² in one layer

DRYING TIME

Dry to the touch	Up to 12 h
Application of second coat	24 h
Resistance to standing water	24 h
Full curing	7 days

(The above times may vary depending on ambient temperature and humidity.)

For maintenance of the waterproofing layer after an extended period, clean the surface with water and a neutral detergent, and then apply a layer of MATIZOL FIBER ROOF to the dry surface at 300-400 g/m².

EXPANSION JOINTS:

Treatment of cracks and expansion joints up to 1 cm wide:

For coating applications in areas with cracks, gaps, or expansion joints, secure joints up to 1 cm wide using **MATIZOL JOINT TAPE PV-ELAST** (a waterproof, elastic tape made of elastomer and polyester fabric) as described below:

Apply MATIZOL FIBER ROOF along the joint, right at its edge, and then lay the **MATIZOL JOINT TAPE PV-ELAST** over the joint, ensuring that the entire surface under the perforated part of the tape is uniformly covered with product. After the coating has completely dried, proceed with the full surface application of the first layer.

Treatment of cracks and expansion joints wider than 1 cm:

To seal joints wider than 1 cm, use the following system:

For new joints or renovating existing ones, insert a BACKER ROD into the joint to a depth slightly greater than the rod's diameter. Ideally, the top of the rod should be at a depth equal to its radius (i.e., half its diameter). Then, fill the space above the rod with polyurethane sealant. Once the sealant is fully dry, apply **MATIZOL JOINT TAPE PV-ELAST** according to the instructions for "treatment of cracks and expansion joints up to 1 cm wide."

7. PRECAUTIONS

WARNINGS

No additives required.

Do not use if the packaging is damaged.
 Do not add water and/or solvents.

In the case of application on modified bitumen membranes, you must wait at least 180 days after their installation. **MATIZOL FIBER ROOF** should be applied under environmental conditions that allow it to dry completely as quickly as possible. Therefore, do not apply the product on frozen surfaces or during rainy weather. The surface must be protected from water, rain, and snow during the first 24 hours after application. Use in temperatures ranging from +5°C to +35°C.

8. LOGISTIC DATA

Volume	Pails per pallet
10 kg	48
20 kg	36

9. TECHNICAL PARAMETERS

PROPERTIES	NORM	VALUE
Yield	-	1.6 kg/m ²
Application Temperature	-	+5°C - +35°C
Appearance	-	Moderate Thickness Paste
Colour	-	white/grey/red
Density at 20°C	EN ISO 2811-1	1.45 ± 0.05 g/cm ³
Solid content	EN ISO 3251	71% ± 2%
pH	UNI 8490-4	8 ± 1
Brookfield viscosity at 20°C (Cps)	UNI EN 8490	36.000 ± 1000

ADHESION TO SUBSTRATE, STANDARD DYNAMOMETER: UNI EN 1348 (AFTER 14 DAYS)

Concrete	0.70 N/mm ²
Fiber-cement	0.61 N/mm ²

PERFORMANCE PROPERTIES (UNI EN 1504-2)

PROPERTIES	NORM	VALUE
Weather resistance:	-	Good
Elongation after 14 days	ASTM D2370`	≥50%
Resistance to Breaking after 14 days	ASTM D2370	≥ 1.67 N/mm ²
Adhesion before sun-rain cycles	(UNI10686)	2.0 N/mm ²
Adhesion after 25 sun-rain cycles	(UNI10686)	1.7 N/mm ²
Resistance to freeze-thaw cycles	(UNI 10686)	Good, after 50 cycles
Water vapor diffusion resistance factor	(UNI EN 1931)	10 113.50 μ
Water absorption	(ASTM D 471)	≤ 8.0 %

EMISSION OF VOLATILE ORGANIC COMPOUNDS

Parameter	Maximum permissible concentration (μm^3)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by EUROFINS according to EN 16516, ISO 16000-3-6-9-11 and ASTM D5116-10, Test Report No. 392-2018-00451601_G_EN_02

10. STORAGE & TRANSPORTATION

Store for up to 18 months in the original sealed containers. Containers should be stored in an upright position, away from sources of fire and heating elements, in conditions where they are protected from direct sunlight and weather influences. Cannot be stored in sub-zero temperatures. Permissible transport and storage temperature from +5 to 35°C. It is not frost hardy.

11. HEALTH AND SAFETY WARNINGS AND RECOMMENDATIONS

Detailed information can be found in the manufacturer's Safety Data Sheet. The above data, recommendations and guidance are based on our best knowledge, research and experience and have been given in good faith in accordance with the policies of our company and our suppliers. The proposed procedures are considered common, but each user of this material should make sure in all possible ways, including checking the final product under appropriate conditions, that the materials supplied are suitable for achieving the intended purposes. Neither the Company nor its authorised agents can be held liable for any losses incurred as a result of the incorrect or misuse of its materials. Do not dispose of the product and/or empty containers in the environment. Refer to the latest SDS for more information on disposal.

ECOLOGY

Do not dispose of the product and/or empty containers in the environment. Refer to the latest safety data sheet for more information on disposal procedures

12. PRODUCER

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