



matizol
PROOFED BY EXPERIENCE



MATIZOL EVOMER 1K RESIST

HIGHLY RESISTANT AND FLEXIBLE COMPOUND FOR HEAVY WATERPROOFING

1. PRODUCT DESCRIPTION

Liquid mass based on elastomeric resins for heavy waterproofing of foundations and as a waterproof- and vapour barrier for sealing under the floor. The unique formula allows for application without priming, in one layer. At the same time, it provides very high resistance to punctures and mechanical damage, so it does not need to be additionally protected with protective elements.

2. BENEFITS

- ONLY 1 COAT, NO PRIMING
- HIGH FLEXIBILITY
- HIGH MECHANICAL RESISTANCE
- MEETS THE TECHNICAL PARAMETERS OF PN-EN 15814+A2:2015-02 "Thick-layer asphalt coatings modified with polymers for waterproofing - Definitions and requirements"



3. APPLICATION AREA

MATIZOL EVOMER 1K RESIST is used for foundations waterproofing, underground walls and concrete elements, with excellent resistance to saline water. It has good bonding strength on concrete, bricks, masonry and wood.

4. SUBSTRATES

- concrete
- concrete blocks
- bricks
- wood

5. SUBSTARTE PREPERATION

The surface must be clean, dry and free of fats, oils, waxes and release substances. The cement milk should be removed

Cramps and unevenness on concrete walls and joints between concrete blocks should be filled with mortar to level them. Level the substrate, remove burrs, large cavities and fill caverns with mortar. Cavities and slots up to 5 mm deep can be filled with MATIZOL EVOMER 1K RESIST. The product should only be used on dry surfaces.

Selena FM S.A.
ul. Legnicka 48A, 54-202 Wrocław, Poland
tel. +48 71 78 38 290, e-mail: office@selena.com, www.selena.com



Do not add any additives. Do not use if the packaging is damaged. Do not add water or solvents. Before applying to concrete, make sure that the concrete substrate is properly cured and there is no condensation in the structure (usually up to 28 days after pouring the concrete). Before applying the product, check the substrate for hidden moisture to avoid peeling and surface blisters caused by evaporation. Do not use MATIZOL EVOMER 1K RESIST on frozen surfaces, nor in the event of expected precipitation, fog or frost.

6. APPLICATION

The product is ready to use and can be applied **ONLY IN ONE LAYER** directly to the substrate, using a notched trowel or spray gun. After application, protect the surface from all forms of water (liquid, gaseous or solid) for at least 24 hours. After 24 hours, it is fully waterproof. Wait 4 to 7 days before covering with soil. The product should be used at temperatures between +5°C and +35°C.

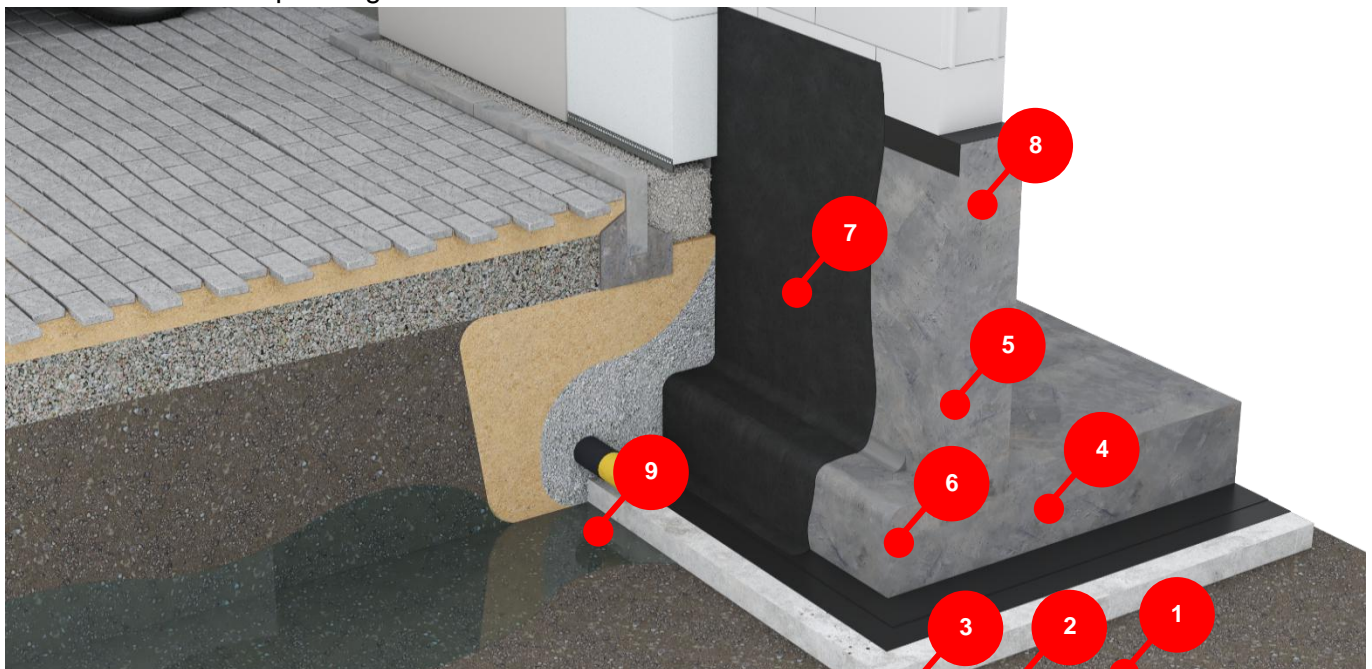
Parameters of the spraying machine: Wagner airless Heavy Coat 970G with the max pressure of the machine is 250 bar. Spaying parameters: 200 bars, with the nozzle 535

CONSUMPTION:

Total consumption: 2,8 - 3,3 kg/m²

Vapour barrier coating: 2,8 - 3,3 kg/m²

Illustration 1: Waterproofing of foundations with the use of MATIZOL EVOMER 1K RESIST



- | | |
|-----------------------------------|---|
| 1. Lean concrete | 5. Foundation wall |
| 2. Bituminous Primer | 6. Facet (rounding) |
| 3. Bituminous felts waterproofing | 7. MATIZOL EVOMER 1K RESIST |
| 4. Concrete slab | 8. Horizontal waterproofing (membrane / film) |
| | 9. Drainage |

7. TECHNICAL PARAMETERS

PROPERTIES	VALUE
Consumption	2,8 - 3,3 kg/m ²
Application Temperature	+5°C - +35°C
Appearance	Paste
Colour	Black
Specific Gravity at 20°C (g/cm ³)	1,22 ± 0,01
Dry matter content (%)	72 ± 1
Reaction pH	9 ± 1
Brookfield viscosity at 20°C (Cps)	40 000 ± 3 000

PERFORMANCE PROPERTIES

PROPERTIES	STANDARD	VALUE
Adhesion Test - concrete	ASTM D903	Average: 1,62 MPa IMPORTANT NOTE: Detachment of the substrate from the product
Permanence	UNI EN 13251:2005 zał. B	Positive, >80%
Water impermeability	UNI EN 1928:2002	Positive, 60 kPa
Resistance to static loads - puncture	UNI EN 12730:2002	Positive, >15 kg
Resistance to negative pressure	UNI 8298/8	2 bar
Scratch covering capacity	PN-EN 15812:2011	Class CB2
Flexibility at low temperatures	PN-EN 15813:2011	Positive
Compressive strength	PN-EN 15815:2011	Class C2B
Rain resistance	PN-EN 15816:2011	24 h
Water resistance	PN-EN 15817:2011	Positive
Dimensional stability at elevated temperatures	PN-EN 15818:2011	Positive
Reduction in coating thickness after complete drying, %	PN-EN 15819:2011	28±4%
Water resistant	PN-EN 15820:2011E	Class W2B

PROPERTIES OF THE CURED PRODUCT ACCORDING TO THE STANDARD UNI EN 1504-2

PROPERTIES	NORMA	VALUE
Permeability CO ₂	UNI EN 1062-6	SD>50 m
Water vapour permeability	UNI EN 7783	SD>50 m (Class III)
Capillary absorption and water permeability	UNI EN 1062-6	W<0,1 kg/m ² ·h ^{0,5}
Impact resistance	UNI EN ISO 6272-1	≥20N·m
Elongation at break	ASTM D 2370	>160%

EMISSION OF VOLATILE ORGANIC COMPOUNDS

Parameter	Max. allowed concentration (µ/m ³)
TVOC after 3 days	≤ 750

Selena FM S.A.

ul. Legnicka 48A, 54-202 Wrocław, Poland

tel. +48 71 78 38 290, e-mail: office@selena.com, www.selena.com



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. 392-2017-00404102_G_EN_02

8. LOGISTIC DATA

Volume	number of packages per pallet
20 kg	36

9. 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.

10. HEALTH AND SAFETY WARNINGS AND RECOMMENDATIONS

Detailed information can be found in the Safety Data Sheet at the manufacturer. 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.

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.

11. PRODUCER

SELENA INDUSTRIAL TECHNOLOGIES Sp. z o.o.

ul. Pieszyccka 3, 58-200 Dzierżoniów;

www.matizol.com

Selena FM S.A.

ul. Legnicka 48A, 54-202 Wrocław, Poland

tel. +48 71 78 38 290, e-mail: office@selena.com, www.selena.com