

Domoreflex 122 Max

High Performance waterproofing coating membrane

Description: DOMOREFLECT 122 MAX is a roof coating membrane based on a combination of solvent free new generation nanomolecular hybrid resins. It stands out for its short drying time, enabling thus the applied surface to remain completely unaffected by upcoming rain and stagnant water, as well as its maximum dry film thickness. It creates a single membrane of exceptional whiteness which maintains its elasticity even in high temperature changes ensuring high resistance to aging.

Application fields

DOMOREFLECT 122 Max may be applied on

- Flat or inclined roofs
- Parapets
- Gutters, gypsum boards, etc.

Advantages

- Fast drying & walkability
- Resistant to rain and stagnant water
- High dry film thickness
- Finished surface remains tack free, so it does not collect dirt and dust
- High whiteness & excellent reflectivity of solar radiation
- Resistance to ageing
- Easy to apply
- Excellent adhesion
- Water vapor permeability
- Crack bridging with or without the use of polyester reinforcement (geotextile).
- Solvent-free, user friendly and environmentally friendly

Method of Use

Substrate preparation:

Clean the substrate thoroughly from loose materials, peeled paints, dust and oils. The substrate must be free of surface moisture and stagnant water.

Apply the acrylic water-based primer DOMOREFLECT PRIMER or DOMOREFLECT 122 Max diluted 10% by weight with water. In case of particularly unstable substrates, it is recommended to prime the surface with DOMORESIN SP diluted with water in a ratio of 1 to 3.

Application:

2-3 layers of DOMOREFLECT 122 Max

applied with roller, brush or airless. Each layer is applied crosswise to the previous one as soon as the previous layer is dry (depending on weather conditions).

Apply polyester fiber reinforcement over areas with cracks. In this case, apply primer and once dry, a layer of DOMOREFLECT 122 Max. Then place the reinforcement strip along the cracks as long as the material is still wet and finishing with two more successive layers of DOMOREFLECT 122 Max.

On surfaces with a lot of dense cracks, it is proposed to completely reinforce the surface with a polyester cloth of 1m width.

Additional notes:

- All application tools and accessories should be thoroughly cleaned with water immediately after use.
- High temperatures accelerate and low temperatures slow down the drying process of the applied film.
- Application temperatures from 5 ° C to 35 ° C. Do not apply the product when rain or frost is imminent

Consumption

150-250 gr/m² as primer

1,3-1,6 Kgr/m² for 2-3 layers

1,7-2,0 Kgr/m² for 2-3 layers with reinforcement

Storage

At least 12 months from production date, stored in the original sealed pails under dry and cool conditions, protected from direct sun exposure and frost.

Packaging

Pails of 1 kg, 5 kg and 15 kg.

Colors

Available in white. Other colors available on request.

Certificates

Certified according to EN 1504-2 (Concrete Protection Systems) in categories 1.3- Ingress Protection (IP), 2.2- Moisture Control (MC) and 8.2-Increasing Resistivity (IR).

Volatile Organic Compounds (VOC)

EU REGULATION 2004/42: According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content of VOC (Product Category j / Type WB) is 140 g/L (limits of 2010) for the final product. The final DOMOREFLECT 122 MAX contains max <140 g/L.

Specifications

Form	Thick liquid
Color	White
Specific weight (23°C)	1,45 ± 0,04 kg/L
Application temperature	+5°C to +35°C
Final dry film thickness for 1 mm of liquid film and a consumption of 1,4 kg/m² (EN ISO 2808)	0,64mm
Dry-to-touch (23°C) (ASTM D 1640-03)	90 min
Unaffected by rain (23°C) (In-house test)	in 1,5 h
Maximum tensile strength (EN ISO 527-3)	>2,0 MPa
Elongation at break (EN ISO 527-3)	275 %
Elastic modulus (EN ISO 527-3)	7,9 MPa
Capillary water absorption (EN 1062-3)	0,02 kg/m ² h ^{0,5}
Adhesion strength (EN 1542)	2,62 N/mm ²
EN 1504-2 categories	Ingress Protection - Moisture Control - Increasing Resistivity

Drying times	Laboratory	Roof
Conditions	Temperature: 23°C, Humidity: 50%	Temperature: 28°C, Humidity: 41%, Wind speed: 3 Beaufort
Primer		5 min
1 st layer	1 h & 30 min	20 min
2 nd layer	1 h & 30 min*	20 min*
3 rd layer	1 h & 30 min*	30 min*
*unaffected by rain		

All the technical data stated in the present Technical Data Sheet are based on laboratory tests and the knowledge and experience of the company. Different conditions may apply at field applications that are beyond the control of the company. Therefore, the end user is ultimately responsible to make sure that the product is suitable for the application in question and to know the real conditions of the project.