

Domissima

BUILT
BY
EXPERTS



CE
EN 1504-2
IP - MC - IR

Domoreflex 122 Max

High Performance waterproofing coating membrane

Description: DOMOREFLECT 122 MAX is a High Performance, Single Component, Cold Applied, Wet on Wet Liquid Waterproofing System with Build in Solar Reflectivity (UV)

Application fields

DOMOREFLECT 122 Max may be applied on

- Flat roofs (New and Existing)
- Parapets
- Gutters
- Gypsum boards etc.
- Walkways
- Balconies

Advantages

- Quick drying 2-4 hours & fully trafficable within 24 hours.
- Unaffected by rain and stagnant water after the first layer is applied.
- All year around Moisture Curing product.
- Dust and Dirt resistant Seamless membrane.
- High Solar Reflectivity (Colour Dependent)
- At least 10 years guarantees for the product.
- Excellent adhesion to all types of plywood, metal, brick or cured concrete.
- Can be applied with normal rollers (no Solvent resistant roller is required)
- Test a small patch if used on EPDM and TPO prior to installation.

Method of Use

Substrate preparation:

Ensure the substrate is in good condition, dry and free from stagnant water, rising and surface moisture, dust, moss, lichen and debris.

Application

Mix the product thoroughly prior to application. Apply

straight out of the can with roller or brush. Please make sure to fix all edge trims before the application.

For best results, and especially over areas with cracks, use with Reinforcement Chop Stranded matting (225g/m²) which will ensure that the right amount is used on each layer and when the ambient temperature is +5°C and rising but not exceeding +35°C. Do not apply the product when rain or frost is imminent. High temperatures accelerate and low temperatures slow down the drying process of the applied film.

Apply, if necessary, Domoreflex 122 Max, as a primer, diluted with water 10% by weight. First layer is placed in order to saturate the matting. Second layer is applied, in less quantity, to finish the job. Apply third layer if necessary. Each layer is applied crosswise to the previous one as soon as the previous layer is dry (depending on weather conditions). Maximum consumption for a wet layer is 1,4-1,5 kg/m².

Consumption

Coverage of one 15kg tin 8-10m²

Storage

Store unopened in original container in a cool dry place out of sunlight with the temperature not exceeding +5°C/+35°C. Protect from Frost. Store up right with the shelf life 12 month from date of manufacture.

Packaging

Pails of 15 kg.

Colors

Standard Color Grey (RAL 7043). Other colors available on request subject to MOQ and manufacturer schedule.

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	Grey, White, Terracota etc.
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)	0,70mm
Dry-to-touch (23°C) (ASTM D 1640-03)	90 min temperature and humidity dependent
Unaffected by rain (23°C) Unaffected by rain (10°C) (In-house test)	1hr 30 min 2-4 hrs
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
Permeability to CO ₂ , s _d (EN 1062-6)	>50 m
Water vapor permeability, s _d (EN ISO 7783)	<5 m (Class I)
Capillary water absorption (EN 1062-3)	< 0,1 kg/m ² h ^{0.5}
Adhesion strength (EN 1542)	≥ 2,5 N/mm ²
EN 1504-2 categories	Ingress Protection - Moisture Control - Increasing Resistivity

Domorelect 122 Max drying times in relation to the temperature of the environment (application on terraces)

Drying times	Terrace		
	10-12°C (Envir. Humidity 60%)	16-18°C (Envir. Humidity . 80%)	28-30°C (Envir. Humidity . 40%)
1 st layer **	20 min	15 min	5 min
2 nd layer	1 hour & 30 min	1 hour & 30 min	20 min
3 rd layer	1 hour & 30 min *	2 hours & 15 min *	20 min *
* unaffected by rain			

** Domorelect 122 Max diluted with water up to 10% w/w.

**Artificial aging of Domorelect 122 Max according to EN 1297
(exposure to UV radiation and humidity)**

Tests	Units	EN	Results
Impact Resistance Test (UV aging and humidity) - at normal conditions - after 1000 hrs of UV aging - after 2000 hrs of UV aging	N.m	BDS EN ISO 6272-1:2011	10 10 10
Abrasion Resistance – Taber method (1000 cycles) (UV aging and humidity) - at normal conditions - after 1000 hrs of UV aging - after 2000 hrs of UV aging	mg	BDS EN ISO 5470-1:2017	0,19 0,23 0,25
Shore A Hardness (UV aging and humidity) - at normal conditions - after 1000 hrs of UV aging - after 2000 hrs of UV aging	Sh A	BDS EN ISO 868:2006	75 76 76
Degree of blistering, cracking and flaking after storage at elevated temperature	-	BDS EN ISO 4628-2, 4628-4, 4628-5:2016	No traces of blistering, cracking and flaking are observed
Degree of blistering, cracking and flaking after storage in water	-	BDS EN ISO 4628-2, 4628-4, 4628-5:2016	No traces of blistering, cracking and flaking are observed



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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.