

Domissima Domoreflex 122 Max

BUILT
BY
EXPERTS



High Performance waterproofing
coating membrane

Application Guide



EN 1504-3



Low VOC

Domorelect 122 Max

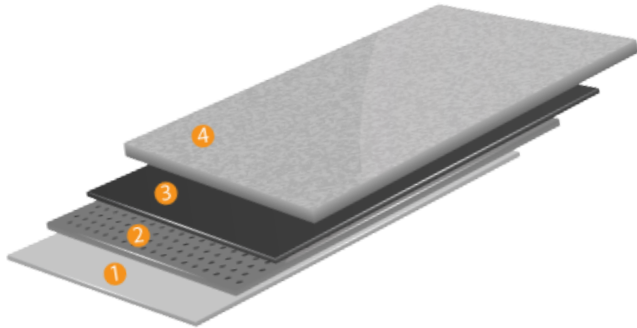
High Performance waterproofing coating membrane

System Introduction

DOMOREFLECT 122 MAX is a fiber reinforced roof coating membrane based on a combination of solvent free high concentration aliphatic polyurethane and 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 for its maximum dry film thickness.

It creates a single membrane of exceptional color stability which maintains its elasticity even in high temperature changes ensuring high resistance to ageing.



1. Substrate
2. Primer: DOMOREFLECT 122 MAX diluted with 10% water
3. 1st layer: DOMOREFLECT 122 MAX undiluted, reinforced with polyester or fiberglass matting in case of unstable surfaces or surfaces with dense cracks
4. 2nd layer: DOMOREFLECT 122 MAX undiluted



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Domorelect 122 Max

Advantages

- Free of solvents, environmentally friendly
- Odourless during and after application
- Fast drying
- Easy to apply
- Water tight after the first coat application
- Dust and dirt resistant
- Excellent adhesion
- Seamless finish and high solar reflectivity (color stability)
- Resistance to ageing
- Can be applied with normal rollers. Solvent resistant rollers are not required
- Water vapor permeable
- Crack bridging ability
- Early rain resistance

Application Surfaces

- New build or existing roofs
- Parapets
- Gutters, gypsum boards and cement boards
- Concrete, Cement surfaces
- Over old bituminous membranes
- Over existing tiles
- Metal surfaces
- Wooden surfaces (Plywood, Chipboards, OSB 3, etc)
- Polyurethane Foam & Polyurethane coatings



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Substrate preparation

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



- Crack filling & Substrate restoration Using DOMOREPAIR R4 Fiber-reinforced repairing mortar to fill cracks or cavities on concrete surfaces



Domoreflex 122 Max

Application Steps

1- Priming layer:

Add 10% by weight water to DOMOREFLECT 122 Max and slightly stir the material with a low power agitator.



- Apply DOMOREFLECT 122 Max diluted 10% by weight with water as a primer coat
- Coverage 150-250 g/m², depending on the substrate
- (E.g. one 15kg package + 1.5l water to cover 60-100 m²)

2- Detailing:

After the priming layer is dry, Apply DOMOREFLECT 122 Max undiluted with a brush or roller over areas with cracks and along the parapets and corners placing a polyester fiber or fiberglass reinforcement strip and then applying DOMOREFLECT 122 Max over the reinforcement to be fully embedded.



Domorelect 122 Max

Application Steps

3- First layer:

The First layer of DOMORELECT 122 Max is applied undiluted over the whole surface crosswise.
Coverage 700-1000 g/m², depending on the substrate.
(E.g. one 15kg package to cover 15-21m²)



In case of unstable surfaces or surfaces with dense cracks, it is proposed to completely reinforce the whole surface with a polyester cloth of 60-70 gr/m² or fiberglass mat of 225-300 gr/m² and 1m width overlapping by 5-10 cm.



Domoreflex 122 Max

Application Steps

After placing the reinforcement, make sure the reinforcement is fully saturated inside the fresh coat of DOMOREFLECT 122 MAX and there are no air pockets left in the system by using the same roller or by using a paddle roller. The reinforcement should be fully sealed and covered by DOMOREFLECT 122 MAX



4- Second layer:

After the previous layer is dry, The second and final layer of DOMOREFLECT 122 Max is applied undiluted over the whole surface crosswise.

Coverage 550-750 g/m², depending on the substrate.

(E.g. one 15kg package to cover 20-27m²)

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
- Ambient temperature during application should be from 5 °C to 35 °C
- Do not apply the product when rain or frost is imminent
- In case of application by spray gun, it may be diluted with 10% water, depending on the weather conditions
- Maximum consumption for a single wet layer should not exceed 1,4-1,5 kg/m²



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Drying times

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

Drying times	Terrace		
Temperature of the environment	10-12°C (Envir. Humidity 60%)	16-18°C (Envir. Humidity . 80%)	28-30°C (Envir. Humidity . 40%)
Priming Layer **	20 min	15 min	5 min
1st Layer	1 hour & 30 min*	1 hour & 30 min*	20 min*
Total Time***	1 hour & 50 min	1 hour & 45 min	25 min
2nd Layer	1 hour & 30 min*	2 hours & 15 min*	20 min*

* Unaffected by rain

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

*** Total time before the application of the last layer on a terrace

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