



CODE 0.936

roof guard

Waterproofing liquid membrane for exteriors

GENERAL PROPERTIES

ROOF GUARD is a liquid coloured water-based membrane, conceived for protection and waterproof of exposed surfaces in exterior.

When dry, it forms a continuous membrane, UV rays resistant and water resistant, ideal for concrete surfaces, cementitious screeds or old bituminous membranes protection.

ROOF GUARD results featured, indeed, by good elasticity, even in low temperatures. Ideal for treating horizontal, sloping and vertical surfaces, as flat covers, flat roofs and ledges.

Suitable for light foot traffic, guarantees the normal actions of verification and maintenance.

ROOF GUARD complies with the principles defined in the norm EN 1504-2 (*"Surface protection systems for concrete"*) as coating (C) for surface protection against penetration risks (PI principle), for moisture control (MC principle) and for resistance increase through limitations in moisture level (IR principle).

INSTRUCTIONS

Substrate preparation

- **Concrete and cementitious screeds:** make sure the substrate was well weathered, dry and free from filth, dust and unsound parts. Apply a layer of consolidating insulator ISOLEX W diluted 1:1 with water or of ready to use solvent based impregnating sealer ISOLEX, evenly distributing the product. Allow at least 6 hours and apply ROOF GUARD.

With unsound substrates or with crumbling situations, re-making or consolidating with the proper products.

With mould, moss presence or bacterial infections it must be done, after cleaning, a cleansing and restoring treatment with SPRAY SAN or ARD SAN RISANANTE MURALE.

Check the substrate was perfectly dry and apply a layer of ROOF GUARD.

- **Old bituminous membranes (smooth or slated):** make sure the substrate was sound and without filth or dump by brushing or hydro-blasting. On a perfectly dry substrate, apply a layer of solvent based impregnating sealer ISOLEX.

Application

- ROOF GUARD is ready to use. Thoroughly mix by hand before use is recommended.
- Apply the product with a long-piled roller, brush or by airless spray.
- Allow at least 24hours, apply a second layer of ROOF GUARD.
- Apply the product with a temperature between +5°C and +35°C and related moisture below 75%; do not apply on surfaces exposed to the sun.
- After application the surfaces must be protected from rain until they are completely dry.
- Do not apply if it is going to rain
- Do not apply on substrates with rising damp above 4% or surface dew.
- Do not apply on bitumen or tarmac recently applied, for avoiding the release of oils or plasticisers.
- Application on surfaces with salt efflorescences or rising damp does not guarantee the product adhesion on the substrate; so, a repairment action on the same to prevent is needed.
- Possible joints have to be properly treated before to proceed.
- Wash tools and equipment with water immediately after use.
- Store the product in cool premises, protected from frost.
- Use the products in compliance with the current Health & Safety Regulations; after use do not release the containers into the environment. Refer to MSDS for further information.

TECHNICAL DATA:

COLOUR	White or Grey		
MASS VOLUME	1300-1400 g/l		
DYNAMIC VISCOSITY	22.000 – 27.000 cP		
DRYING AT 20°C	TOUCH DRY		4 hrs
	THROUGH DRYING		48 hrs
	RECOATABLE		12
PERMEABILITY TO CARBON DIOXIDE	EN 1062-6	S _d CO ₂	248 m
		s	828 micron
		μ CO ₂	299002
		RESULT	Complies (Sd CO₂ >50m)
PERMEABILITY TO WATER VAPOUR	EN ISO 7783-1 E 2	S _d	2,058 m
		s	847 micron
		μ	2430
		CLASS	I (Sd < 5m)
PERMEABILITY TO LIQUID WATER	EN 1062-3	w	0,027 kg/m² √t
		RESULT	Complies (w < 0,1)
ADHERENCE FOR DIRECT TRACTION	EN 1542	RESULT	Complies
RESISTENCE TO CRACKING CYCLES AT -10°C	EN 1062-7	CLASS	A2
HAZARDOUS SUBSTANCES		RESULT	Refer to SDS

Certified product in compliance with the norm UNI EN 1504-2 Products and systems for protection and repairment of concrete structures.

ROOF GUARD is standardized as coating (C) against penetration risks (PI principle), for moisture control (MC principle) and for the resistance increase through limitations in moisture level (IR principle).

YIELD

A two-coat cycle implies a yield of about 1,2-1,4 l/mq on concrete, on bituminous membranes about 0,6-0,8 l/mq.

**TENDER
SPECIFICATION ITEM****WATERPROOFING LIQUID MEMBRANE FOR EXTERIOR**

Application, on pretreated surfaces, of a liquid coloured monocomponent water based membrane as ROOF GUARD, adapted for the waterproofing treatment of external surfaces to let exposed, with a minimum consumption of 1,2 l/mq on concrete or of 0,6 l/mq on bituminous membranes.

€/ m²

*The data herein were correct at the time of Quality Control and refer to standardized environmental conditions.
The same are to be considered as a guide.*

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