

BLACK REFLEX

Reflective solvent-based paint



Description

BLACK REFLEX is a ready-to-use mono-component liquid coating formulated with thermoplastic resins, aluminium, bitumen, additives and special solvents.

Once dry, BLACK REFLEX produces a highly adhesive, flexible film featuring an extremely high capacity to reflect sunlight.

BLACK REFLEX is highly suited for protecting bituminous waterproofing materials (APP and SBS polymer-modified bitumen membranes) against sunlight (UV component) and enhances their thermal insulation by reducing radiated heat on the treated parts.

Field of application

BLACK REFLEX is used as a reflective paint for bitumen membranes or other types of outdoor exposed building surfaces. BLACK REFLEX exerts an effective protective action against direct sunlight and prolongs the useful life of the treated objects.

If applied to slated bitumen membranes, BLACK REFLEX also exerts a consolidating effect that prevents the chippings from detaching.

Advantages

- It can be applied even during winter.
- BLACK REFLEX has good opacity even after the first coat.
- Features a high reflective power.

General preparation of the laying support

- Eliminate foreign bodies, loose parts and dust accumulated in the stagnation zones.
- Verify the correct run-off of rainwater from the surface to be treated.
- Verify the continuity of the waterproofing membrane and repair any loose parts.

Preparing the product

Open the package and mix the contents (manually or with a low-speed mixer for solvent-based products) before drawing the product, taking care to disperse the bottom thoroughly.

The presence of sediment alters the product's quality as it is linked to the normal settling of aluminium dust.

Keep the product mixed whenever it is drawn to guarantee its optimal homogeneity.

Application of the product

► On old existing bitumen membranes

- Apply a first coat of BLACK REFLEX on dry surfaces using a roller or by spraying.

The subsequent application of the bitumen membrane must occur after the primer dries (from 3 to 8 hours depending on the temperature).

- Once dry, verify the coverage.

If necessary, apply a second coat.

For improved reflective power, apply BLACK REFLEX always in the same direction avoiding criss-cross strokes.

► On previously unprotected bitumen membranes

- On the dry surface, apply a first quick and light coat (without insisting) so as to avoid melting the bitumen membrane, especially in case of SBS bitumen membranes.

This coat acts as a primer and must be followed by a second covering coat.

- Once dry, proceed with the second coat.

For improved reflective power, apply BLACK REFLEX always in the same direction avoiding criss-cross strokes.

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Consumption

► Application with a roller. With the following consumption, a dry coating film between 13 and 20 micron thick can be obtained per coat:

type of application	minimum consumption	maximum consumption	UoM	coverage
For each coat depending on the porosity of the surface	0,04	0,06	L/m ²	16-25 m ² /L

► Application by spraying. With the following consumption, a dry coating film between 20 and 33 micron thick can be obtained per coat:

type of application	minimum consumption	maximum consumption	UoM	coverage
For each coat depending on the porosity of the surface	0,06	0,10	L/m ²	10-16 m ² /L

Cleaning of tools

With SOLVENT FOR HELASTON SOL or with ordinary washing solvent (nitro or synthetic thinner).

Useful application tips

- Thoroughly mix the product before in its container before use.
- Any light sedimentations present on the bottom of the container must be regarded as normal.
- The product is FLAMMABLE.
- Do not mix with water.
- Do not dilute with alcohol or acetone.
- When applied in poorly aerated areas, it is advisable to adequately ventilate the environment and protect the airways using a dust mask equipped with A2 organic vapour filters (brown strip) or combined (multicolour strip) ABEK filters (as per the EN 141 standard).
- Read the Safety Sheet carefully before using the product.

Technical data

► PRODUCT IDENTIFICATION DATA	UoM	value
Density at 23°C, EN ISO 2811-1	kg/L	0,90 ± 0,05
Brookfield apparent dynamic viscosity (23°C / 50% R.H. ASTM#1 spindle, 150 rpm), EN ISO 2555	mPa·s	65 ± 10
Dry residue (at 125°C, 1 hour), ISO 3251	-	(33 ± 2)%
Colour	-	Silvery
Odour	-	Of solvent

► APPLICATION DATA AND FINAL PERFORMANCES	UoM	Value
Surface drying time (23°C, 50% R.H.), EN ISO 9117-3	min	90 ± 5
Minimum interval between two successive coats (23°C, 50% R.H.)	hours	3
Full curing time (at +23°C, 50% R.H.)	hours	12
Application temperature	°C	from +5 to +35

Storage of the product

- 24 months in the closed original packaging, in a dry and covered place away from direct sunlight, at a temperature between +5°C and +30°C.
- Protect the product against humidity.

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Packages

VARIANT	PACKAGE	ADR	PACKAGES PER PALLET	COMPONENTS
-	fustino met. da 5 L	YES	96 fustini	
-	fustino met. da 10 L	YES	60 fustini	
-	fustino met. da 20 L	YES	33 fustini	

Legenda ADR:
SI' = merce PERICOLOSA

LEGAL NOTES

Advice on how to use our products corresponds to the current state of our knowledge and does not involve the assumption of any guarantee and / or responsibility for the final result of the work. They do not refore exempt the customer from the responsibility of verifying the suitability of the products for the use and the prefixed purposes through preventive tests. The website www.nordresine.com contains the latest revision of this datasheet.

EDITION

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