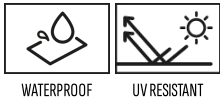


BLACK REFLEX

Solvent reflective paint



TECHNICAL FEATURES



WATERPROOF

UV RESISTANT

FIELD OF APPLICATION



EXTERIORS

ROOFS

APPLICATIONS



SPRAY

ROLLER

BRUSH

1PART

Description

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

After drying, BLACK REFLEX produces a very adhesive film, flexible and with a very high ability to reflect sunlight.

BLACK REFLEX is particularly suitable for sunlight protection (UV component) of bituminous waterproofing materials (APP and SBS polymer bitumen membranes) and contributes to thermal insulation by reducing heat transmitted to treated parts by radiation.

Field of application

BLACK REFLEX is used as a reflective paint for bituminous membranes or other types of building surfaces exposed outdoors. BLACK REFLEX exerts an effective protection against the attack of sunlight and prolongs the useful life of the treated products.

When applied on bituminous slated sheath, BLACK REFLEX also exerts a consolidating effect by preventing the detachment of the grit.

Advantages

- It can also be applied in winter.
- BLACK REFLEX has a good covering power already at first hand.
- It has a high reflective power.
- BLACK REFLEX dries quickly even at low temperature.

General preparation of the laying surface

- Remove foreign bodies, loose parts and dust accumulated in stagnation areas.
- Check that rainwater flows smoothly from the surface to be treated.
- Check the continuity of the waterproofing layer and weld any detached parts.

Product preparation

Open the package and mix BLACK REFLEX (manually or with a low-speed mixer for solvent-based products) before drawing it. Take care to disperse the sediment thoroughly.

The presence of sediment does not affect the quality of the product and should be considered as normal deposits of aluminum pigment.

Keep the product mixed at each sample to ensure perfect homogeneity.

Product application

► Important general information

- BLACK REFLEX may only be applied on bituminous surfaces laid long enough for them to eliminate the oily hydrocarbon substances they contain:

BLACK REFLEX

- at least 6 months for hot-applied membranes;
- at least 3 months for cold-laid membranes.

► *On old bituminous membranes (already installed)*

- Apply a first coat of BLACK REFLEX to dry surfaces using a roller or spray.
- Once dry, check the covering power.

If necessary, proceed to a second coat.

For better reflectivity, apply BLACK REFLEX in the same direction avoiding to cross brushstrokes.

► *On bituminous membranes that have never been protected before*

- On a dry surface, apply a light and quick first coat (without insistence) so as not to dissolve the bituminous membrane, especially in the case of bitumen-SBS membranes.

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

- Once dry, proceed with the second coat.

For better reflectivity, apply BLACK REFLEX in the same direction avoiding to cross brushstrokes.

Consumption

type of application	minimum consumption	maximum consumption	u.m.	notes
Roller application, for each coat depending on the porosity of the surface	0,04	0,06	L/m ²	(1)
Spray application, for each coat depending on the porosity of the surface	0,06	0,10	L/m ²	(2)

(1) With these consumptions you will get a dry film of paint thickness between 13 and 20 microns per coat.

Yield 16 - 25 m²/L per coat.

(2) With these consumptions you will get a dry film of paint thickness between 20 and 33 microns per coat.

Yield 10 - 16 m²/L per coat.

Tool cleaning

With SOLVENTE PER HELASTON SOL or with common washing solvent (nitro or synthetic thinner).

Useful tips for laying

- Mix the product thoroughly in the container before use.
- Any slight residue at the bottom is to be considered normal.
- The product is FLAMMABLE.
- Do not mix with water.
- Do not dilute with alcohol or acetone.
- In case of application in not perfectly ventilated places, provide adequate ventilation and protect the respiratory tract with mask with organic vapor filter A2 (brown band) or combined (multicolor band) ABEK2 (according to EN 141).
- Read the Safety Data Sheet carefully before use.

Technical Data

► PRODUCT IDENTIFICATION DATA		value
Density at 23°C, EN ISO 2811-1	kg/L	0,90 ± 0,05
Brookfield apparent dynamic viscosity (23°C / 50% RH; spindle ASTM#1, 150 rpm), EN ISO 2555	mPa·s	65 ± 10
Dry residue (125°C, 1 hour), ISO 3251	-	(33 ± 2)%
Color	-	Silvery
Odor	-	Solvent

BLACK REFLEX

► APPLICATION DATA AND FINAL PERFORMANCE

		value
Surface drying time (23°C, 50%RH), EN ISO 9117-3	min	90 ± 5
Minimum standby time between two successive coats (23°C, 50%RH)	hours	3
Full curing time (at 23°C, 50% RH)	hours	12
Application temperature	°C	from + 5 to + 35

Product storage

- 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.
- Keep in a dry place.

Packaging

VARIANT	PACKAGE	ADR	PACKAGE / PALLET	COMPONENTS	NOTES
-	steel pail - 5 L	SI'	96 buckets		-
-	steel pail - 10 L	SI'	60 buckets		-
-	steel pail - 20 L	SI'	33 buckets		-

ADR legend:

NO = NON-DANGEROUS goods

P* = DANGEROUS goods packed in limited quantities (packed as per ADR Chapter 3.4)

Si = DANGEROUS Goods

LEGAL NOTES

Any advice concerning the methods of use of our products reflects the current state of knowledge and does not imply any guarantee and/or responsibility as to the outcome of the application. Consequently, the customer must verify the product's suitability for the intended use and purposes by testing the product in advance. The Internet website www.nordresine.com contains the latest revision of this technical sheet: in case of any doubts, verify the date of revision (where missing, use the date of issue) by consulting the "PRODUCTS" section.

EDITION

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