



N.V. DOTHÉE S.A.

RD-ROOF WHITE

DESCRIPTION OF THE PRODUCT

- USE:** Heat reflective coating for roofs – can also be used as a reflective coat for sun panels. One component coating can be applied on different types of roofs such as plane roofs or sloping roofs.
- FEATURES:** Remains elastic even at low temperature.
Extraordinary insulation properties.
Overbridging cracks.
Allows diffusion of water vapor.
Unsaponifiable – alcali resistant.
UV resistant.
Doesn't discolour.
Protects the roof against heat.
Perfect for masking imperfections.
Easy to apply.
Esthetic effect.
Environmentally friendly.
- SUBSTRATES:** Bituminous roofing, concrete.
On synthetical roofing like Trocal, an adherence test has to be done.
- SYSTEM:**
1. Top coat: apply one coat of RD-ROOF WHITE with a consumption of about 500 g/m².
 2. If a waterproofing sealing is needed, refer to the technical sheet of RD-ELASTODECK.

APPLICATIONS INSTRUCTIONS

- PREPARATION OF THE SUBSTRATE:**
1. Clean the surface by using high pressure water. For cleaning moss use an appropriate anti-moss product.
 2. The surface must be clean and dry. In case of sealing problems, call our technical service.
- WARNING:** On any kind of substrate the room underneath should be equipped with a vapour barrier and sufficient roof ventilations in order to avoid the formation of condensation under the roof. The slope to the drain-pipes should be large enough to fully collect the rain.
- APPLICATION CONDITIONS:** By dry weather
Ambient temperature: minimum 5° C
R.H. : maximum 80 %
- APPLICATION MEANS:** Brush, roller or airless spraying equipment (nozzle opening : 015 – 023)
- DILUTION:** Water
- CLEANING OF TOOLS:** Water

CONSUMPTION: On a smooth surface, about 500 g/m² in one coat
On a rough surface, foresee a higher consumption

PARTICULARITIES: Mix well before use.
The temperature on plane roof, sloping roof or corrugated iron roof can be extreme. With the action of the sun, the temperature of the surface during summer time can rise up to 80°. In case of quick cooling due to rain, the heat shocks may cause damages to the roofing. With a white coating on the roofing the temperature decreases until 35° C. RD-ROOF WHITE is a thermic insulation coating which reflect 80 % of direct light. These are some results of test concerning reflectivity:
White coat glossy on a smooth surface : 80 %
White coat glossy on a rough surface : 60 %
Alucoat: 55 %
White stones: 25 %
Grey grit: 20 %
Green roof: 15 %
Black roofing: 5 %

Source: Oak Ridge National Laboratory – Lawrence Berkeley National Laboratory and Florida Solar Energy Center.

TECHNICAL DATA

FINISH:	Satin gloss
COLOURS:	White
DENSITY:	Ca 1.43
SOLIDS CONTENT:	Weight : ca. 65 % Volume : ca. 50 %
VOC CONTENT:	Max 30 g/L
FLASH POINT:	Not flammable
VISCOSITY:	150 – 200 P (Brookfield 20 Rpm)
DRYING TIME:	On touch: 3 hours Recoatable: after 6 hours
PACKING:	5 kg – 25 kg
STORAGE STABILITY:	12 months in a frost free place

SAFETY DATA

The safety sheet is available on request.

These specifications are given for information. Since the manufacturer is not able to check the right application of the products, he cannot accept any responsibility for it. This technical data sheet replaces all previous editions.