



N.V. DOTHÉE S.A.

## RD-ELASTODECK

WATERPROOFING, ENVIRONMENTALLY FRIENDLY COATING FOR ALMOST ANY ROOF

### DESCRIPTION OF THE PRODUCT

Profile:	<b>UV-INFLUENCE:</b> Bituminous roof protection products often shows failures. Especially due to the influence of several kinds of climatic conditions , amongst which the UV effect means the largest problem, followed by interaction, heat absorption and cooling, the roofing is losing its elasticity, is cracking and is getting loose at joints, borders, edges, etc.
Fire risk:	Bituminous roofings are showing increased fire risk during their application, but even later on there is a high degree of flammability at increased risk.
MAN and ENVIRONMENT :	The people, who apply these bituminous products, run major risks by the solvent containing bitumen and derivatives, if they are insufficiently protected; amongst these some dangerous carcinogenic products like BENZENE are included. Additionally, the environment will also be charged. That's why Dothée developed, for its RD-COATINGS range, products for roof applications, which are amongst the best in the world and are applied anywhere.
RD-ELASTODECK For flat and sloped roofs:	It is a waterborne single component system based on acrylic copolymers. After a short drying period one obtains a smooth, rubber-like skin, which is fully waterproof and covers the entire roof.
Features:	<ul style="list-style-type: none"><li>• Provides UV-resistance and resistance against any kind of weather.</li><li>• Easily application by brush, roller or suitable spraying equipment (preferably airless).</li><li>• Friendly to humans and environmentally friendly.</li><li>• Excellent adhesion on almost any surface.</li><li>• Permanently elastic: remains highly elastic at high and low temperatures and is therefore well suited to bridge cracks.</li><li>• No fire hazard during and after application.</li><li>• No additional dumping costs, the old roofings can stay in place.</li><li>• Can be used on any roof, industrial and private.</li></ul>
HEAT REFLECTING:	RD-Elastodeck is available in any color, including in WHITE = HEAT REFLECTING.
GUARANTEE:	Ability to obtain a ten-year "insured" guarantee. Consult our technical service.





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**FIELD OF APPLICATION:** RD-Elastodeck is used for the protection and waterproofing of sloped or flat roofs, even with an increased risk of stagnant water.

RD-Elastodeck is also used with RD-NEW ROOF ACRYL NEW as finish for the waterproofing, protection and encapsulation of toxic asbestos fibers in corrugated sheets.

The product is also suitable as waterproofing protection of bituminous membranes, concrete sheets on roofs, terraces, etc. on which roof gardens, roof terraces, tiles, etc. are installed.

RD-Elastodeck is also frequently used for the waterproofing and protection of balconies and galleries. It can be enforced by means of RD-Roof Fleece MS to bridge cracks.

In new buildings RD-Elastodeck is used as a waterproofing membrane on top of horizontal concrete constructions above basements, garages, balconies, terraces ...

For the vertical and horizontal protection of sinks, radiators, heating installations etc.

### RD-ELASTODECK- WATERPROOFING SYSTEMS:

- 1) Treatment of flat roofs:
  - a) Cleaning and treatment of blisters:

Cleaning under high pressure. Open the blisters crosswise by cutting, let it dry and seal by means of RD-Elastodeck. Blisters should be cut all around if the roof membrane is too thick.
  - b) Application of RD-Elastodeck:

Apply by means of brush or airless (nozzle opening 018-023) of a thick coat of RD-Elastodeck. Apply RD-Roof Fleece MS in the wet coat.

Let it dry and then apply another coat of RD-Elastodeck until the fleece is completely covered and no longer visible.

Consumption: Approximately 2.5 kg/m<sup>2</sup>, depending on the porosity of the substrate.

Drying time: approximately 24 hours, depending on weather conditions.
- 2) Treatment of sloping roofs:

Ditto as for 1).
- 3) The application of RD-Elastodeck on a concrete surface :

The surface must be clean, dry, free of dust and free of cement scraps. The relative humidity of the concrete, measured by a Protimeter may not exceed 18%.

RD-Elastodeck can directly be applied on smooth concrete, provided that it is free of polishing or shuttering products. Porous concrete should be impregnated first with RD-Unifix.

Consumption: about 4 to 6 m<sup>2</sup> / L (depending on the porosity of the substrate.)
- 4) SUBSTRATES ON WHICH RD-ELASTODECK CAN BE DIRECTLY APPLIED :
  - Almost any type of bituminous roofing of at least 1 year old.
  - Polyester
  - Steel, aluminum, copper, zinc.
  - Concrete, brick, stone, mortar.





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- Wood
- 5) On the following substrates apply first an adhesion primer : Flexthan, Butyl, Gertoit, Derbigum, Repanol, Leukobit, Trocal, Selchim, Poresta, Iltaflex, eater Span, Hypalon and Kemperol. Apply an adhesion coat of RD-Repair diluted with 30% RD-Thinner RR.

Application method :

RD-Elastodeck : by means of brush, roller, floor wiper, spatula or airless equipment.

Airless equipment :

- Graco Mark V, Graco 1595 or similar to Wagner, Storch etc.
- Nozzle : 18-21
- 40 to 50 °
- Approximately 160 bar

#### TECHNICAL DATA

DENSITY :	Ca. 1.25
SOLIDS CONTENT:	Weight: ca. 65 % Volume: ca. 55 %
VOC CONTENT:	Max 7 g/L
FLASH POINT:	Not flammable
VISCOSITY :	200 - 220 P (Brookfield 20 Rpm)
DRYING TIME :	On touch: 3 hours Recoatable: after min. 6 hours.
PACKAGING :	5 Kg – 25 Kg
STORAGE STABILITY :	12 months in a frostfree place.

PS: For metal, rusty roofs and structures, please refer to the anti-corrosion coating RD-ELASTOMETAL.

#### SAFETY DATA

The safety data 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.

