



N.V. DOTHÉE S.A.

RD-ELASTOFLEX

DESCRIPTION OF THE PRODUCT

USE: Waterborne one component waterproofing product for walls, concrete, brick walls, cement or plastering.

Based on pure acrylic resins dispersed in water.

FEATURES: RD-Elastoflex:

- Is a permanent elastic coating system, even at low temperatures.
- Rainproof and waterproof
- Excellent insulating ability
- Crack bridging
- Vapor permeable
- Inhibits the penetration of carbon dioxide
- Is also perfect for protecting concrete, particularly reinforced concrete.
- Unsaponifiable – alkali resistant
- UV resistant
- No fading of colours
- Resistant to chloride containing salts (eg thaw salts)
- Filling and masking capacity
- Easy to process by brush, roller or airless (nozzle opening 015-023)
- Aesthetic and warm aspect
- Environmentally friendly
- Very good price-quality ratio
- Provides an excellent protection and added value to your property.

SUBSTRATES: New and old masonry, concrete, cement filler, cementing, old paint, wood etc.





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- SYSTEM :
1. Preparation of the substrate:
The substrate must be cleaned, free of cement and concrete rests.
Old non adhering coats should be removed.
Moss or algae formation can be removed with a suitable environmentally friendly anti-moss product.
Damage and unstable joinery can be filled and repaired by means of RD-Cement Filler.
Joints between walls and window frames have to be filled by RD-Acrykit New.
If the subsurface is porous, it should be impregnated with RD-Unifix.
Smooth surfaces, like smooth polished concrete, smooth tiles etc. have to be primed by a coat of RD-Multiprim in order to have a good adhesion.
 2. Finish
For a complete waterproofing: application of two coats of RD-Elastoflex with a total consumption of 800 g/m².
For an aesthetic treatment the application of a coat of 400 g/m² is sufficient.
On ancient paints, which after cleaning by means of rinsing under high pressure, aren't chalking or powdering anymore, you can directly apply RD-Elastoflex.
 3. Wood: RD-Elastoflex can be applied on wood, such as cornices, eaves, roof chapels, wooden houses, garden houses etc.
It can usually be applied directly on old good adhering coats and resin free timber.
Prevents crackings in the paint and peeling off.





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APPLICATION INSTRUCTIONS

APPLICATION CONDITIONS:	By drying conditions. Ambient temperature: minimum 5 ° C Relative humidity: maximum 80%
APPLICATION MEANS:	Brush, roller or airless (nozzle: 018–023)
DILUTION :	Water
CLEANING OF TOOLS :	Water
CONSUMPTION :	About 400 g per coat.
PARTICULARITIES:	Mix before use.





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TECHNICAL DATA

FINISH:	Flat.
COLOURS :	See colour chart and other colours on request.
DENSITY :	Ca. 1.4
SOLIDS CONTENT :	In weight: ca. 65% In volume: ca. 51%
VOC CONTENT:	Max 30 g/L
FLASH POINT :	Not flammable.
VISCOSITY :	200 - 250 P (Brookfield 20 Rpm)
DRYING TIME :	On touch: 2 hours – Recoatable after 24 hours
PACKING :	1 Kg - 5 Kg – 25 Kg
STORAGE STABILITY :	12 months in a frostfree place.

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.

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Waterproofing:

RD-Elastoflex is waterproof if applied at 800 g/m²; the dry film thickness will be approximately 300 μ

- Elasticity at room temperature : 600%
- Maintains its elasticity until minus 20 ° C

Crack bridging:

- Ability to prevent formation of new crackings: between 0.3 and 2 mm (with woven RD-Mur Fleece)
- U.V. & Alkali resistance: obtained by acrylic technology and high molecular weight of the binder

Water vapour permeability :

- Diffusion Resistance Value μ (H₂O) = 1640
- Diffusion Resistance SD (H₂O,150 μ) = 0,25 m

Adhesion of the RD-Elastoflex system

- Adhesive Strength: 35 to 40 N/MM²

RD-Elastoflex for protection of reinforced concrete.

Basic Requirements :

- Protection against chloride diffusion at 250μ = 12-16 mm concrete
- High elasticity : 600%
- High resistance to low temperatures : -20 ° C
- Prevention of formation of new crackings (from 0,300 to 2 mm)
- Excellent U.V. & Alkali resistance
- Water vapor permeability - at 250 μ dry film thickness

Chemical resistance:

- Hydrochloric Acid 5%
- Sodium Hydroxyde : 5%

EC-Certificate of factory Production Control according to standard EN 1504-2

ASTM International (laboratoires),100 Barr Harbor Drive PO BOX700 West Conshohocken (various tests on an elastomeric exterior waterproofing coating) - april 8, 2008 Re:DL-15523

