

RD-ELASTOFLEX

WE23 – Version 200306

DESCRIPTION OF THE PRODUCT

- USE:** Waterproofing and protection system for concrete, walls and façades; protecting against weathering, carbonation and water ingress.
Water-based, single-component system based on pure high-quality acrylic resins. Its high elasticity (> 600%) helps to bridge cracks and maintain the film properties durably.
- FEATURES:** Part of the SCS – Single Coating System – product group.
High elasticity over a broad temperature range, especially in the low temperature region – Excellent dirt pick-up resistance – Very good water vapour permeability – Excellent outdoor durability – RD-Elastoflex complies with the requirements of EN 1504-2 as a protective coating for concrete (principles 1.3/ 2.3/ 8.3 according to EN 1504-9: 2006) and has a CE marking.
- SUBSTRATES:** New and old masonry - Cement - Concrete.
- SYSTEM:** The number of coats is directly depending on the orientation of the wall. If the wall is often facing pouring rain, it is advised to apply, all in all, 2 coats of RD-ELASTOFLEX. For other walls, 1 coat is enough. Repair cracks beforehand!
- Unpainted porous substrates – option 1: following the specifications of EN 1504-2:
- Primer: 1 coat of RD-ELASTOFLEX diluted with maximum 10% water;
 - Topcoat: 1 coat of RD-ELASTOFLEX.
- Unpainted porous substrates – option 2:
- Primer: 1 coat of impregnation RD-UNIFIX;
 - Topcoat: 2 coats of RD-ELASTOFLEX.
- Unpainted smooth surfaces:
- Primer: 1 coat of RD-ELASTODECK diluted by 25% with water or 1 coat of RD-MULTIPRIM;
 - Topcoat: 2 coats of RD-ELASTOFLEX.
- Powdering painted substrates:
- Primer: 1 coat of impregnation RD-UNIFIX;
 - Topcoat: 1 or 2 coats of RD-ELASTOFLEX.
- Not powdering painted substrates:
- Topcoat: 1 or 2 coats of RD-ELASTOFLEX directly on the support.

APPLICATION INSTRUCTIONS

- PREPARATION OF THE SUBSTRATE:** The substrate has to be clean, dry, and free of dust.
New masonries must be cleaned first with an iron brush to eliminate all spatters of mortar.
Painted substrates should be cleaned with a high-pressure washing machine.
If the support is mossy, the moss must be removed with a special anti-moss product. Fill up the cracks with RD-ACRYKIT NEW.
Active cracks should be reinforced with RD-MUR FLEECE MS.
Use RD-CEMENT to repair important repairs on concrete.

- APPLICATION CONDITIONS:** Outdoor: never apply if raining.
Ambient temperature: > 5° C (41°F) – Optimal between 12° and 25° C (54° and 77°F)
Relative humidity: max. 80 %
Dew point > 3°C (37,4°F)
- APPLICATION MEANS:** Brush, roller or airless spray. (Tip opening 015-023)
Application by airless is recommended et enables to reach more easily the recommended thicknesses. Use an machine with minimum 180 bars / 2600 psi output pressure.
- DILUTION:** Product ready for use.
RD-ELASTOFLEX can be diluted by maximum 10% with water by warm weather (> 25°C / 77°F) for a better wettability.
- CLEANING OF TOOLS:** Water
- CONSUMPTION:** Ca. 400 g/m² per coat – total consumption : 800 g/m²
- PARTICULARITIES:** Mix well before use

TECHNICAL DATA

- FINISH:** Mat – 5% +/-5 under a 60° angle.
- COLOURS:** White, mouse grey, red-oxide, black.
RAL, NCS and bespoke colours.
Available on RD Coatings dispensing system.
- DENSITY:** Ca 1,55
- SOLIDS CONTENT:** In weight: +/- 72 %
In volume: +/- 60 %
- VOC CONTENT:** Max 30g/L
- FLASH POINT:** Not flammable
- VISCOSITY:** 200 - 220 P (Brookfield 20 Rpm)
- DRYING TIME:** Touch dry: 2 hours
Recoatible: 24 hours
- PACKING:** 1 Kg – 5 Kg – 25 Kg
- STORAGE STABILITY:** 12 months. Keep away from frost

NORMS AND TESTS

CE Certificate	EN 1504-2 :2004
CHLORIDE PENETRATION RESISTANCE	NT Build 489
BOND STRENGTH BY PULL-OFF	EN 1542
FREEZE THAW THERMAL SHOCK	EN 13687-1
THUNDER SHOWER THERMAL SHOCK	EN 13687-2
CRACK BRIDGING	ASTM D1305
CRACK BRIDGING	EN 1062-7
CRACK BRIDGING AFTER UV	EN 1062-7
CAPILLARY ABSORPTION	EN 1062-3

TENSILE STRENGTH AND ELONGATION	ASTM D412
MOISTURE VAPOR TRANSMISSION	ASTM D1653
RESISTANCE TO WIND DRIVEN RAIN	ASTM D6904
FUNGUS RESISTANCE	ASTM D3273/D3274
CHEMICAL RESISTANCE	ASTM D1308
WATER VAPOR TRANSMISSION	DIN EN 1062-6
CO2 DIFFUSION	DIN 53122-1
UV RESISTANCE	ISO 11507

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.