

# RD-HYDROPOX

F9 - Version 190823

## DESCRIPTION OF THE PRODUCT

- USE:** RD-HYDROPOX is a two-component multi-task waterborne epoxy coating, 100% solvent- and VOC-free; used to protect various type of surfaces against intensive wear, abrasion, soiling and other aggressive materials such as solvents, cleaning agents, etc.  
RD-HYDROPOX is indicated for the protection of industrial floors, garages, car parks, workshops, shopping malls, ...; walls requiring frequent and regular cleaning as in the food industry; and any other equipment or infrastructure subject to intensive or aggressive use: drainage channels, water tanks (non-potable), machinery, etc.
- FEATURES:** Part of the SCS – Single Coating System – product group.  
RD-HYDROPOX is a professional paint that forms a hard and smooth film, very resistant. Solvent free - Easy to clean - High resistance to abrasion and wear - Resistant to solvents, oils, gasoline.  
RD-HYDROPOX does not exceed the migration criteria defined in the European Regulation N° 10/2011 and can therefore be applied in the food industry.  
RD-HYDROPOX is not UV resistant and must therefore only be used inside. It can be used outside only if covered with a UV resistant coating.
- SUBSTRATES:** Can be applied directly to almost any concrete, cement and masonry surface.  
For ferrous and non-ferrous metals, first apply one or two coats of RD-MONOGUARD.  
For synthetic substrates (hard), glass, ... first apply a layer of RD-MULTIPRIM.
- SYSTEM:** Mixing:
- Mix mechanically long enough (for +/- 3 minutes for 15 kg of product) the two components until a uniform mass of one colour is obtained;
  - After mixing, let the mixture rest for about 5 minutes to allow the product to cool and eliminate the formation of air bubbles.
- The waiting time between the application of two layers is:
- at 10 ° C / 50 ° F, at least 24 hours and 48 hours maximum,
  - at 20 ° C / 68 ° F, at least 12 hours and 48 hours maximum.
- In the event of a longer overcoating time, it will be imperative to sand the first layer to ensure optimal adhesion of the next layer.  
Potlife: max. 2 hours.
- Concrete floor, walls, masonry, ceramic:
- Primer: RD-HYDROPOX - diluted with 10% water if the surface is porous.
  - Finishing: RD-HYDROPOX
- Ferrous and non-ferrous metals:
- Primer: RD-MONOGUARD
  - Finishing: RD-HYDROPOX
- Synthetic surfaces, glass, ...:
- Primer: RD-MULTIPRIM
  - Finishing: RD-HYDROPOX

## APPLICATION INSTRUCTIONS

PREPARATION OF THE SUBSTRATE:	<p>The substrate must be dry, degreased and dust-free. Smooth screeds must be treated beforehand, different options are possible:</p> <ul style="list-style-type: none"><li>- Sand the surface to obtain roughness;</li><li>- Lightly etch the surface with an acidic solution;</li><li>- Apply a layer of RD-MULTIPRIM.</li></ul> <p>Repairs on concrete should be made using RD-CEMENT FILLER.</p>
APPLICATION CONDITIONS:	<p>Ambient temperature: minimum 10° C/50° F Relative humidity : maximum 80 %</p>
APPLICATION MEANS:	<p>Brush, roller or airless-spraying equipment (nozzle opening: 021-023)</p>
DILUTION:	<p>Product is ready-for-use. Add maximum 10% water in case of a porous surface.</p>
CLEANING OF TOOLS:	<p>Water</p>
CONSUMPTION:	<p>Industrial floor, car park, garage: About 300 g/m<sup>2</sup> per coat with a total of 600 g/m<sup>2</sup>.</p> <p>Walls: About 200 g/m<sup>2</sup> per coat with a total of 400 g/m<sup>2</sup>.</p> <p>Other surfaces: About 200 g/m<sup>2</sup> per coat.</p>
PARTICULARITIES:	<p>Mix ratio:</p> <ul style="list-style-type: none"><li>• By weight: Component A: 860 g - Component B: 140 g</li><li>• By volume: 4.8: 1</li></ul> <p>The hardener and the base must be mixed scrupulously respecting the indicated ratio. Do not leave product in the bottom of the hardener packaging.</p> <p>A bad mixture can cause damage, such as bubbles, poor hardening, matt and weaker spots.</p> <p>Potlife: max. 2 hours.</p>

## TECHNICAL DATA

FINISH:	<p>Satin gloss – 50% +/- 5 under a 60° angle.</p>
COLOURS:	<p>White, Signal grey, Oxide red, Leaf green. RAL, NCS, BS and bespoke colours. Available on RD Coatings dispensing system.</p>
DENSITY:	<p>Ca. 1,45</p>
SOLIDS CONTENT:	<p>Weight: ca. 65 % Volume: ca. 50 %</p>
VOC CONTENT:	<p>0g/L</p>
FLASH POINT:	<p>Not flammable</p>

VISCOSITY: 40 - 70 P (Brookfield – 20 Rpm)

DRYING TIME: Touch dry: after 8 hours  
Recoatable: after 24 hours  
Final hardness after 7 days

RD-HYDROPOX needs 72 hours at 20° C/68° F to obtain maximum mechanical properties. For full chemical resistant properties, 7 days are required at a temperature of 20 ° C/68° F.

This means that during this period, no liquids, including water, are allowed to come in contact with the coating.

PACKING: 1 kg – 4 kg – 15 kg

STORAGE STABILITY: 12 months in a frost-free place.

#### NORMS AND TESTS

ABRASION RESISTANCE TABER	ASTM D4060
OVERALL MIGRATION	EN 1186
PENCIL HARDNESS	ISO 15184
PERSOZ HARDNESS	ISO 1522
CHEMICAL RESISTANCE	INTERNAL TESTINGS
ADHERENCE CROSS CUT	ISO 2409

#### 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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