

EUROPOX RWA

DESCRIPTION:

Europox RWA is a two-part, water-based, coloured, silk gloss and Water vapour diffusion epoxy coating. This coating features outstanding mechanical properties and chemical resistance including hot tire resistance. (The varying quality of rubber tires makes it impossible to obtain a full warranty on car tire durability) The coating is also renowned for its excellent hiding power and very good UV resistance for an epoxy system. Ideal for storage and logistics areas, assembly halls, workshops, garages, parking decks, loading docks/ramps and agricultural applications. Use 3% to 5% "antislip kfu" to achieve a non-slip finish.

CONSUMPTION:

All values are theoretical and depend on absorption, coarseness and evenness of the substrate and on material loss, etc.

Product	Consumption
Europox RWA (1 st layer)	0,2 - 0,25 kg/m ²
Europox RWA (2 nd layer)	0,2 - 0,25 kg/m ²

TABER ABRASION:

CS10, 10N load, 0 - 500 Cycles +/- 32,5 mg
 CS10, 10N load, 500 - 1000 Cycles +/- 32,9 mg → Total after 1000 Cycles +/- 65,4 mg
 CS10, 10N load, 1000 - 1500 Cycles +/- 30,9 mg → Total after 1500 Cycles +/- 96,3 mg
 CS17, 10N load, 0 - 500 Cycles +/- 49,1 mg
 CS17, 10N load, 500 - 1000 Cycles +/- 48,3 mg → Total after 1000 Cycles +/- 97,4 mg
 CS17, 10N load, 1000 - 1500 Cycles +/- 47,4 mg → Total after 1500 Cycles +/- 144,8 mg

MIXING:

Mixing ratio: Component A: Component B = 88 : 12

Add component B completely to component A and mix for 2 minutes until the mixture has changed from cloudy to completely clear.

After this, pour the mixture into a clean bucket and leave the mixture for 10 minutes before reacting. Then mix for another 30 seconds at low revs.

The basket of the mixer should be COMPLETELY below the liquid level during mixing of the two components to minimize air impact. Air what you don't bring in doesn't have to come out. Mixing is preferably done with a powerful mixer at low speed, 300 - 400 RPM, with a Eurostep WK 70 mixing basket.

- Please check if you have the right A + B component
- Mixing is very important. Use the time strictly because otherwise no chemical reaction will take place.
- When applying the material please wear protective clothing and gloves.

SUBSTRATE PREPARATION:

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

The substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²), with a minimum pull-off strength of 1,5 N/mm². The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, previous coatings and surface treatments.

Weak concrete and loose cementitious levelling must be removed and surface damage such as blowholes and voids must be repaired with Quartzline Epoxygel and then primed again.

NEVER USE POLYESTER PUTTY.

The concrete or screed substrate has to be primed. If in doubt, apply to a test area first. Uneven substrates must be levelled in order to achieve an even substrate. Use Quartzline Cementitious SL Underlayment or Cementitious SL Constructive. Please see respective Technical Data Sheets for more information.

All dust, loose and friable material must be fully removed from all surfaces before applying the product, preferably using a brush and/or industrial vacuum cleaner.

If the surface is older than 48 hours, always perform a preliminary adhesion test.

FEATURES:

Waterbased
Silkgloss
Vapor-permeable
Physiologically harmless
Low odor
Very good hiding power
Very good mechanical and chemical resistance
Solvent free
Hot tire resistant

TECHNICAL PARAMETERS:

Viscosity ¹ [mPa·s]	350-450
Density ² [g/cm ³]	1,3 - 1,4
Potlife at 20°C [min]	~30
Electrical conductivity	>100 GΩ
Abrasion resistance ³ [mg]	~65
Mixing ratio	88 A - 12 B
Adhesive strength ⁴ [N/mm ²]	> 1,5 (concrete fracture)

1 = Brookfield, LV3, 30 RPM, @ 23°C

2 = ISO 2811-1, + 23°C/50% R.H

3 = Taber Abrasion, CS10, 10N and 1000 cycles

4 = EN 4624, 14 days/+ 23 °C/50% R.H

PACKAGING:

Component A+B: 5 kg and 10 kg sets

Component A: 4,4 kg and 8,8 kg bucket

Component B: 0,6 kg and 1,2 kg bottle

FORM:

Component A: Liquid, coloured

Component B: Liquid, transparent, clear to slightly yellow

Almost all RAL, NCS AND SIKKENS colours are available. Other colours available on request.

Application at different stages and combining different batch numbers in one project could result in slight colour differences, to avoid this:

Order all materials for your project at the same time.

SHELF LIFE:

Up to 12 months after the production date in the original, sealed, unopened and undamaged packaging, stored dry between + 5 °C and 30°C.

APPLICATION CONDITIONS:

Substrate temperature:	Minimum 15°C, maximum +25°C
Ambient temperature:	Minimum 15°C, maximum +25°C
Relative air humidity:	40 to 70% R.H.
Dew point:	Beware of condensation!

The temperature of the substrate and uncured material should be at least 3°C above the dew point to reduce the risk of condensation, white discoloration or stickiness (carbamation) on the floor finish.

REMARKS:

After application, Europox RWA must be protected from damp, condensation and water for at least 7 days (+20 °C).

Uneven or dirt covered substrates should not be treated with thin coatings. Both substrate and adjacent areas should always be thoroughly prepared and cleaned prior to application.

The incorrect assessment and treatment of cracks may lead to a reduced service life and recurrent cracking.

If heating is required do not use gas, oil, paraffin or other fossil fuel heaters as they produce large quantities of both CO₂ and water vapour which may adversely affect the finish.

Only use electrically powered warm air blower systems when heating is needed.

Switch off underfloor heating during application and for the first 48 hours, after this period you may increase the temperature gradually.

CLEANING/MAINTENANCE:

For durable preservation of the floor after finishing, all spilled contaminants should be removed as soon as possible and cleaned regularly using brushes, scrubbing/suction machines, rubber wipers, high-pressure cleaning, etc. using suitable cleaning agents.

Clean the floor with lukewarm water, never use hot water (above 40 °C).

LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

The user of the products must test the product's suitability for the intended application and purpose. Eurostep reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

APPLICATIONS:

- Logistics areas
- Assembly halls
- Workshops
- Garages
- Parking decks,
- Loading docks/ramp

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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