

Floor Systems / Epoxy Floor Coatings**REPOX® 520**

Textured Epoxy Coating for Floors

Description

Epoxy resin based, double component **thixotropic floor coating material** with an orange peel appearance (**textured**). Does not contain solvent.

Application Areas

- Indoor and outdoor
- Horizontal applications where nonslip surface is required
- As a nonslip floor coating on ramps
- Places exposed to heavy vehicle traffic, such as factories, warehouses and parking garages
- Wine, beverage (except concentrated fruit syrup), meat, fish and similar food industries
- Medicine, dyestuff, paper, accumulator and fertilizer industries
- Laundries, industrial kitchens and dining halls
- Places exposed to heavy pedestrian traffic, such as shopping malls or terminals
- Data processing and control centers
- Airplane maintenance hangars.

Advantages

- Does not contain solvent
- Makes the coating nonslip thanks to its textured surface
- Resistant to chemicals, inorganic acids and water
- Has high mechanical and abrasion resistance
- Has high surface hardness
- Hygienic and suitable for sterilised conditions, does not require maintenance.

Consumption

450 - 600 g/m² (for 275 - 350 µ dry film thickness in single layer) (Varies depending on the absorption and roughness of the surface and the method of application).

Packaging

Sets of 30 kg (A+B) tin cans

Technical Properties

Components	A: Epoxy resin, B: Hardener
Color	Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Rate	A: 25.8 kg, B: 4.2 kg
Mixture Density	1.65 ± 0.05 kg/L (20°C TS EN ISO 2811-1) (A+B)
Viscosity	7,000 - 13,000 mPas (20°C)
Compressive Strength	40 - 50 N/mm ² (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	> 2 N/mm ² (EN 1504-2) 7 days
Tensile Elongation	> 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	< 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	Class III (EN 1504-2)
Capillary Absorption and Water Permeability	w < 0.1 kg/(m ² · h ^{0.5}) (EN 1062-3)
Solid Content (Mixture)	By weight 100%, by volume 100%



Technical Data Sheet (TDS)

Form No: 5.01 TDS Repox 520
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Hardness (Shore D)	75 \pm 5 (ASTM D 2240, DIN 53505)
Pot Life	50 - 70 minutes (23°C, 200 g, DIN 16945)
Application Temperature	Between +10°C and +30°C
Dirt Pick-up Time	60 - 90 minutes (23°C TS 4317)
Dry to Touch Time	6 - 8 hours (23°C TS 4317)
Time to Use	24 hours (23°C TS 4317)
Complete Curing Time	7 days (23°C TS 4317)

* Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23 \pm 2°C and ambient relative humidity conditions of 50% \pm 5. Higher temperatures decrease while lower temperatures increase these durations.