

PRODUCT DATA

B95 - FLEXIBLE EPOXY SYSTEM

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DESCRIPTION

RUST-OLEUM B95-Flexible Epoxy System is based on two-component, modified low-molecular epoxy resins and is practically solvent free.

RECOMMENDED USES

RUST-OLEUM B95-Flexible Epoxy System is designed for application on concrete, masonry, and hand tool prepared, blasted, primed or galvanized steel.

RUST-OLEUM B95-Flexible Epoxy System is primarily intended for airless spray application and may also be applied by brush and roller.

RUST-OLEUM B95-Flexible Epoxy System offers appropriate corrosion resistance in severe industrial and coastal exposures; high humidity and moisture conditions.

RUST-OLEUM B95-Flexible Epoxy System is, due to its flexibility, especially suitable for concrete and steel floors showing good abrasion- and impact resistance; porous substrates should be primed with RUST-OLEUM 5401 Impregnation Primer; very dense substrates, like ceramic tiles, should be primed with RUST-OLEUM Super Adhesive 3333.

RUST-OLEUM B95-Flexible Epoxy System can be applied directly on properly prepared steel or galvanized steel, on itself, on RUST-OLEUM 9170/9180 Primers or Epoxy Rust Primer 9169. This product is also suitable for application on old, reversible coatings such as Chlorinated Rubbers, Vinyls, etc. If good U.V. and/or chemical resistance is required RUST-OLEUM Polyurethane Topcoat 9600 should be applied.

TECHNICAL DATA

Appearance: Semi gloss
 Colour: See colour card
 Density: 1.47 kg/l ± 0.05 (mixed product) depending on colour
 Solids Content: 99% by volume ± 0.5 (mixed product)
 Viscosity: > 140 KU / Krebs Stormer Units at 20°C (mixed product)
 Recommended film thickness: 150 µm dry, equals 150 µm wet

VOC-content max: 16 g/l
 Ready-to-use mixture: 130 g/l
 Category: A/j
 EU Limit values: 550 g/l (2007) / 500 g/l (2010)

Drying times	20°C/50% r.h.	10°C/60% r.h.	30°C/50% r.h.
To touch:	8 hours	12 hours	6 hours
To handle:	12 hours	36 hours	8 hours
To recoat:	After 24 hours	After 36 hours	After 12 hours
Full hardness	8 days	14 days	5 days

Heat resistance: 100°C (dry heat) at elevated temperatures discoloration may occur.

Coverage

Theoretical: 6.6 m²/l at 150 µm dry.
 Practical: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION

Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning in combination with appropriate detergents. Sand intact coatings to roughen the surface slightly. Check compatibility, especially when applied on reversible coatings, the application of a test-patch is strongly recommended. The surface must be clean and dry during application.

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Concrete and masonry: New concrete or masonry should cure and dry for at least 30 days before applying the coating system. Remove laitance, any loose or unsound concrete or deteriorated coatings. Smooth concrete should be roughened. Remove curing compounds.

Steel: Remove loose rust, mill scale and deteriorated coatings by hand or power tool cleaning to St 2/3 (ISO 8501-01 : 1988). Large areas may be thorough blast-cleaned to Sa 2 (ISO 8501-01 : 1988), blast profile max. 50 µm.

DIRECTION FOR USE

Stir individual components thoroughly before mixing them together. Use the boxing method or use a low speed mixer.

Mixing ratio: base (B95): activator (9501) = 1 : 1 by volume.

Induction time: 15 minutes for a 10 litre. mix at 20°C.

Pot-life: 45 minutes for a 10 litre. mix at 20°C.

Dilution with at least 10% Thinner 160 extends pot-life 30 minutes.

APPLICATION & THINNING

Brush: 10 to 15 vol.%; RUST-OLEUM Thinner 160.
Use natural bristles, long hair brushes.

Roller: 10 to 15 vol.%; RUST-OLEUM Thinner 160.
Use medium nap polyamide (perlon 16 - 20 mm.) rollers.
Roller application requires 2 coats to achieve recommended d.f.t.

Airless spray: 5 to 15 vol.%; RUST-OLEUM Thinner 160.
Pneumatic and electric airless equipment.
Tip size: 0.015-0.025 inch.
Fluid pressure: 250 - 300 bar.

Cleanup: Use RUST-OLEUM Thinner 160
Preferably use disposable brushes and/or rollers.

APPLICATION CONDITIONS

Temperature of air, substrate and coating material between 10 and 35°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

REMARKS

Maximum dry film thickness per coat: 500 µm dry, equals 505 µm wet.

SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

SHELLIFE / STORAGE CONDITIONS

5 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.