RUST-OLEUM®
INDUSTRIAL

5180 EPOXY REPAIR MORTAR

Shrink-free durable epoxy mortar

- Stands up to heavy traffic and many chemicals
- Does not shrink or crack
- For repairing eroded or damaged concrete, bay edges and broken steps
- Easy all-in-1 packaging
- For interior and exterior use

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5180 EPOXY REPAIR MORTAR

DESCRIPTION
Very strong epoxy repair mortar for repairing damaged floors and steps.

RECOMMENDED USE
For repair of damaged, dished or dangerous concrete or stone floors or stairs. Provides a permanent repair to badly cracked and worn concrete and stone floors - will fill holes of any shape or size, gaps, nosings, cracks etc - may be feather edged.

TECHNICAL DATA

Density (g/cm³):	1,7
Solids Content in weight:	100%
Solids content in volume:	100%
Compressive Strength:	55,2 MN/m²
Tensile Strength:	15,4 MN/m²
Flexural Strength:	55,9 MN/m²

DRY TIMES BY 20º C/RH 50%

Touch dry:	3-6 hours
Fully cured:	6- 12 hours
Pot Life:	30 minutes

RECOMMENDED WET FILM THICKNESS
5 - 50 mm

RECOMMENDED DRY FILM THICKNESS
5 - 50 mm

THEORETICAL CONSUMPTION
1,2 m² at 5 mm thickness per 10 kg.

PRACTICAL CONSUMPTION
Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION
Concrete and stone surfaces should be dry and free from previous coatings, contaminants and loose material and at least four weeks old. Very smooth concrete or concrete with soft laitance should be etched with Surfa-Etch 108. Grease or oil should be removed with ND14 and the area thoroughly washed off and allowed to become completely dry.

It is recommended to prime the area to be repaired with 5401 Impregnation Primer before applying the repair mortar. Allow the 5401 to flash off for approximately 30 – 60 minutes before applying the repair mortar.

DIRECTIONS FOR USE
The pack contains a granular resinous material and one or more bottles (depending on the packaging size) of curing agent. Mix the granular resinous material with the curing agent on a board. It is important that mixing should be carried out very thoroughly. The ratio of resin to curing agent is critical and the mixing of part packs is not recommended.

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

APPLICATION & THINNING: RAKE/TROWEL
Trowel vigorously over the prepared surface. Final levelling should be carried out with a steel float. To prevent 'drag' it is advisable to wipe the blade of the tool frequently with a rag moistened (but not saturated) with white spirit. The working life of the mixed product is half to one hour depending on temperature. If the product is used past its working life, trowelling will become difficult and adhesion reduced.

CLEANING OF EQUIPMENT / SPILLS
Rust-Oleum Thinner 160

REMARKS
Product can be applied from feather-edge to 50 mm depth (full strength is achieved at 5 mm). Build up layers of 5180 if the depth is significantly greater than 50 mm or use 5190 Deep Fill Repair Mortar. Applying the product directly in a too high film thickness can reduce the performance of the cured material. Curing time will be extended by low temperatures. Temperatures of 10°C and below will arrest the curing of the product. When fully cured, detergents and degreasers may be used to clean the surface. Do not steam clean or subject to temperatures in excess of 60 °C.

SAFETY DATA

VOC level:	0 g/l
Grenelle:	C
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can. Food products must be removed from the area during application and cure. Please dispose of container with care and in accordance with current regulations.

SHELF LIFE
Minimum of 2 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. If stored for long periods, the resin/filler material should be thoroughly mixed prior to addition of the bottles of curing agent.

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Available colours & pack sizes: Please refer to the respective product page on www.rust-oleum.eu for an overview of actual available colours and pack sizes.

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