

PRODUCT DATA

LIGHT-WEIGHT REPAIR MORTAR 5140

DESCRIPTION

RUST-OLEUM® Light-Weight Repair Mortar 5140 is a solvent free, shrink-free two component, epoxy material for vertical and horizontal repair.

RECOMMENDED USES

RUST-OLEUM 5140 should be used for repair work on concrete walls and floors and to produce coverings. RUST-OLEUM 5140 is applied with a filling knife, a trowel or mason's float. RUST-OLEUM 5140 offers protection against heavy abrasion, impact, heavy pedestrian traffic and vehicle traffic.

RUST-OLEUM 5140 can be applied on horizontal areas and vertical areas primed with Tack-Primer 5120, directly followed by application of the Mortar (wet into wet).

RUST-OLEUM 5140 can be recoated with all RUST-OLEUM Flooring and Walls/Ceilings products.

TECHNICAL DATA

Appearance:	Flat
Colour:	Grey
Density:	1.3 kg/l (mixed product)
Solids Content:	100% by volume (mixed product)
Viscosity:	N.a.
Recommended film thickness:	Min. 1 mm; impermeable to water from 7 mm. thickness
Compression strength:	46 N/mm ²
Tensile strength:	9,8 N/mm ²
VOC-content max.	0 g/l
Ready-for-use mixture:	0 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:	4 hours	8 hours	3 hours
To handle:	16 hours	48 hours	12 hours
To recoat:	After 16 hours, but within 24 hours		
Full hardness	7 days	14 days	5 days

Heat resistance: 50°C (wet heat)

Coverage

Theoretical: 1.3 kg/m² per 1 mm thickness.

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

SURFACE PREPARATION

Remove oil, grease and all other surface contaminations by alkaline or high pressure (steam) cleaning. Remove loose and unsound concrete until a sound surface is obtained. New concrete or masonry should dry and cure for at least 30 days before applying RUST-OLEUM Light-Weight Repair Mortar 5140 or a coating system. Rusted reinforcement bars should be prepared by blasting or other suitable methods; apply the appropriate RUST-OLEUM Epoxy primer mixed with dry quartz sand; after drying, apply RUST-OLEUM Light-Weight Repair Mortar 5140. The surface should be clean and dry during application.

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DIRECTION FOR USE

Add activator to base and stir with a low speed mixer until homogeneous, pour mixture into another can and stir intensively again until completely homogeneous. Afterwards knead the mixture with two filling knives until the colour is uniform grey. Alternative method: knead the mixture in a transparent plastic bag until a uniform grey colour.

Mixing ratio: pre-measured quantities

Pot-life: 30 minutes for a 5 kg. mix at 20 °C

APPLICATION

Prime the substrate(s) to be repaired with RUST-OLEUM Tack-Primer 5120. Mix Repair Mortar 5140 as described. Apply the mortar with a trowel or a steel float (wet into wet) on the primed substrate. For higher build multiple applications are required or produce a mould or shuttering. Covings should be produced with the help of a bottle or a special trowel.

Cleanup: use RUST-OLEUM Thinner 160

APPLICATION CONDITIONS

Temperature of air and substrate between 10 and 30°C and relative humidity below 85%. The substrate temperature must be at least 3°C above dew point.

REMARKS

Maximum thickness (vertical): 30 mm.

The compression strength of the concrete should be minimum 25 N/mm², the tensile strength minimum 1.5 N/mm².

Impermeable to water from 7 mm. thickness.

RUST-OLEUM Repair Mortar 5140 should be recoated within 24 hours. After 24 hours cleaning of the surface with RUST-OLEUM Thinner 190 or sanding is necessary.

Some chemicals may cause discoloration.

Expansion joints should be filled with a flexible sealant.

SAFETY

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

SHELLIFE / STORAGE CONDITIONS

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.

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