

PRODUCT DATA

SELF LEVELLING MORTAR COMPOUND SYSTEM 5400

DESCRIPTION

RUST-OLEUM® Self Levelling Mortar Compound System 5400 is a solvent free, self levelling, two component epoxy mortar which combines a mortar and a coating in one product.

RECOMMENDED USES

RUST-OLEUM Self Levelling Mortar Compound System 5400 should be used on cleaned, horizontal concrete floors.

RUST-OLEUM 5400 is applied with a rake and/or trowel and de-aeration roller.

RUST-OLEUM 5400 offers protection against high humidity and moisture, frequent spillage of chemicals, heavy abrasion, impact, heavy pedestrian and vehicular traffic.

RUST-OLEUM 5400 should be applied on substrates primed with RUST-OLEUM 5401 Impregnation primer.

TECHNICAL DATA

Appearance:	Glossy
Colour:	See colour card
Density:	1.95 kg/l ± 0.05 (mixed product) depending on colour
Solids Content:	100% by volume (mixed product)
Viscosity:	N.a.
Recommended film thickness:	2 mm dry, equals 2 mm wet
Compression strength:	96.8 N/mm ²
Tensile strength:	14.9 N/mm ²

VOC-content max.:	0 g/l
Ready-for-use mixture:	0 g/l
Category:	A/h
EU Limit value:	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.
Foot traffic:	16 hours	48 hours	16 hours
Light traffic:	36 hours	72 hours	24 hours
Full hardness	7 days	14 days	5 days

Heat resistance:	50°C (wet heat)
	100°C (dry heat)

Coverage

Theoretical: 2.0 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

New concrete should cure and dry for at least 30 days prior to the application of the product. Remove oil, grease and all other surface contaminations by alkaline or high pressure (steam) cleaning. Concrete curing compounds should be removed completely. All laitance, loose or unsound concrete should be removed by vacuum-blasting or etching with RUST-OLEUM Surfa-Etch 108 Etching Solution. Large surfaces should preferably be prepared by abrasive blasting (vacuum blasting) or flame cleaning. If this is impossible scrubbing or roughening of the surface is necessary. Profile maximum 0.5 mm.

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Defects in the concrete should be repaired with RUST-OLEUM Concrete Repair Mortar 5403 or Epoxy Putty 5412. Previously coated surfaces must be in sound condition and a test-patch is recommended to check compatibility. The surface should be clean and dry during application.

DIRECTION FOR USE

Stir individual components thoroughly before mixing them together. Use a low speed mixer in combination with the boxing method.

Mixing ratio: base: activator (5101) = 90 : 10 by weight
Pot-life: 30 minutes for a 1 kg. mix at 20 °C

APPLICATION

Pour the material onto the properly cleaned floor and spread it out evenly with a rake or a trowel. Treat the surface directly after application with the de-aeration roller to release entrapped air and to promote the self-levelling effect.

Clean-up: use RUST-OLEUM Thinner 160

APPLICATION CONDITIONS

Temperature of 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.

REMARKS

Maximum dry film thickness per coat: 4 mm dry, equals 4 mm wet.

Food should be stored separately or covered adequately during application of the Self Levelling Mortar Compound System 5400.

RUST-OLEUM Self Levelling Mortar Compound System 5400 can be applied on horizontal floors showing maximum incline of 3 mm. per metre. (DIN 18 202, Table 3, Column 4).

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

If desired the Self-Levelling Mortar Compound System 5400 can be recoated within one week. In this case cleaning of the surface with Rust-Oleum Thinner 190 or sanding is necessary.

Some chemicals may cause discoloration.

Chemical resistance: check our resistance chart.

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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