

PRODUCT DATA

SCRAPE-COAT 5170

Andrews Coatings Ltd
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DESCRIPTION

RUST-OLEUM® Scrape-Coat 5170 is a solvent free, self-levelling, two component epoxy material.

RECOMMENDED USES

RUST-OLEUM Scrape-Coat 5170 is designed to flatten out rough concrete floors.

RUST-OLEUM Scrape-Coat 5170 is applied with a filling knife, a trowel, a rake or a special spreader with triangular teeth.

RUST-OLEUM Scrape-Coat 5170 provides proper smoothness and a good key for adhesion on concrete floors and cement screed floors prior to the application of RUST-OLEUM Self Levelling Mortar Compound System 5400; Solvent-free, High-Build Epoxy System 5500, High-Performance Epoxy System 9100 or Rust-O-Thane® Polyurethane System Topcoats 9600. Very porous substrates should be primed with RUST-OLEUM 5401 Impregnation primer.

Scrape-Coat 5170 can be reinforced when kiln dried quartz sand is dusted at saturation on the wet coat, providing a rough and non-skid surface. When mixed with kiln dried quartz sand, the product can be used as a repair mortar.

TECHNICAL DATA

Appearance: Glossy
Colour: Natural, wet sand
Density: 2.0 kg/l (mixed product)
Solids Content: 100% by volume (mixed product)
Viscosity: N.a.
Recommended film thickness: 0,5 mm up to 3 mm.

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:	3 hours	8 hours	3 hours
To handle:	16 hours	24 hours	12 hours
To recoat:	After 16 hours, but within 24 hours		
Full hardness:	7 days	8 hours	5 hours

Coverage

Theoretical: 2 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 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 preferably be removed by (vacuum)-blasting, cutting or etching with RUST-OLEUM Surfa-Etch 108 Etching Solution. Large surfaces should preferably be prepared by abrasive blasting (vacuum blasting) or flame cleaning.

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Large surface defects should be repaired with a mortar based on a mix of RUST-OLEUM 5170 and kiln dried quartz sand or Concrete Repair Mortar 5403. Small defects inferior to 3 mm should be previously primed with pure 5170 Scrape-Coat. 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: 25 minutes for a 5 kg. mix at 20°C

Cleanup: use RUST-OLEUM Thinner 160

APPLICATION & THINNING

Do not add thinner!

Pour the material onto the properly cleaned floor and spread it out evenly with a rake or a spreader with triangular teeth, for small areas a trowel or a filling knife may be used.

Treat the surface directly after application with a de-aeration roller to release entrapped air and to promote the self-levelling effect.

If a reinforced system against abrasion and shock or a non-skid finish is required, sprinkle kiln dried quartz aggregate progressively and regularly until saturation on the Scrape-Coat 5170, 10 to 20 minutes after its application.

For decorative flooring it is possible to use single- or multicoloured quartz aggregate. Usual size of quartz is 0.1-0.4 mm, but also available in 0.4-0.8 mm or 0.7-1.25 mm, providing more rough and anti-slip aspect.

- Quartz aggregates must be sprinkled until saturation.
- Necessary amount of quartz is generally 1.5 to 2 times the Scrape-Coat 5170 (kg/m²).
- After drying, remove loose aggregate and correct evenness by scraping.
- Apply one or two coats of a sealing topcoat alike RUST-OLEUM 5500, 9100 or 9600.
- For the production of a repair mortar, incorporate kiln dried quartz sand (particle size 0.1 - 0.4 mm) into the freshly prepared Scrape-Coat mixture, and mix until material is homogeneous and the required consistency is reached; apply mortar with a trowel.

APPLICATION CONDITIONS

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

REMARKS

Food should be stored separately or covered adequately during application of the Scrape-Coat 5170.

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

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.