



# New Guard Coatings Group

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[www.newguardcoatings.com](http://www.newguardcoatings.com)

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**RUST-OLEUM**<sup>®</sup>  
— INDUSTRIAL —



## 5500 HIGH BUILD EPOXY

# High build epoxy for floors, metal and walls

- High build coating (150 microns), very durable
- Suitable for frequent (chemical) cleaning
- Resistant to oils and solvents
- As hard and dense as ceramic tiles



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# 5500 HIGH BUILD EPOXY

## DESCRIPTION

High build epoxy floor paint for garages, warehouses, showrooms, corridors, indoor car parks, workshops etc.

## RECOMMENDED USE

5500 is designed for application on concrete and masonry and can also be used on blasted steel, primarily intended for roller application and may also be applied by brush for small areas or touch-up only. A two coat 5500 System assures appropriate protection when in contact with chemicals (see chemical resistance guide), frequent chemical cleaning or high humidity and moisture conditions. Can be applied directly on properly cleaned, sound mineral substrates, sound, well prepared previous Epoxy coatings; porous substrates should be primed with 5401 or 5421 Impregnation Primer; very dense substrates, like ceramic tiles, should be primed with Super Adhesive 3333 or 3366. 5500 can be applied directly on blasted steel or blasted galvanised steel; if required primed with RUST-OLEUM 9170/9180 Primer.

## TECHNICAL DATA

Density (g/cm <sup>3</sup> ):	1,33
Gloss Level:	Gloss
Solids Content in weight:	100%
Solids content in volume:	100%
Heat Resistance:	150°C (dry heat) - 50°C (immersion or wet heat)
Compressive Strength:	50 MN/m <sup>2</sup>
Tensile Strength:	10 MN/m <sup>2</sup>
Flexural Strength:	70 MN/m <sup>2</sup>
Mixing Ratio:	Base : Activator = 2.54 : 1.46 (Volume)

## DRY TIMES BY 20° C/RH 50%

Touch dry:	24 hours (20°C), 36 hours (10°C), 16 hours (30°C)
Dry to handle:	24 hours
Dry to recoat:	After 24 hours, but within 72 hours
Fully cured:	10 days (14 days for immersion)
Pot Life:	60 minutes (20°C), 90 minutes (15°C), 150 minutes (10°C)
Induction Time:	15 minutes (20°C), 30 minutes (15°C), 60 minutes (10°C)

## RECOMMENDED WET FILM THICKNESS

150 µm

## RECOMMENDED DRY FILM THICKNESS

150 µm

## THEORETICAL CONSUMPTION

6,7 m<sup>2</sup>/l

## PRACTICAL CONSUMPTION

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. The surface must be clean and dry during application.

Concrete and masonry: New concrete or masonry should dry and cure for at least 30 days before applying the coating system. Remove laitance, loose and unsound concrete or deteriorated coatings preferably by abrasive blasting and repair surface defects with 5180 Epoxy Repair Mortar or Epoxy Putty 5412. Very dense and smooth concrete should be

abrasive blasted or primed with Super Adhesive 3333 or 3366.

Steel: Remove loose rust, rust scale and deteriorated coatings by abrasive blasting to Sa 2½ (ISO 8501-1 : 1988), blast profile max. 100 µm. For immersion purposes, prepare to Sa 3 (ISO 8501-01 : 1988), blast profile max. 75 µm.

## DIRECTIONS FOR USE

These products are supplied in pre-measured 'units' consisting of one can of pigmented base material and one can of activator (5501). Stir individual components thoroughly before mixing them together. Add activator to base material and mix thoroughly with a low speed mixer.

## APPLICATION CONDITIONS

Temperature of material between 10 and 20°C, 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: BRUSH

Thinning not recommended. Use natural bristles, longhair brushes. Preferably use disposable brushes.

## APPLICATION & THINNING: ROLLER

Thinning not recommended. Use medium nap, 12 mm polyester rollers. For textured surfaces use long nap 14-18 mm rollers. Preferably use disposable rollers.

## APPLICATION & THINNING: AIR-ATOMISED SPRAY

Not recommended.

## CLEANING OF EQUIPMENT / SPILLS

Use RUST-OLEUM Thinner 160.

## REMARKS

Maximum dry film thickness per coat: 300 µm dry, equals 300 µm wet. In time the product can show some yellowing. Apply the coating in strokes in one direction; do not use a cross-lap technique. Do not try to brush out the coating; lay it on thickly. 5500 cannot be used for swimming pools. For other immersion purposes, please always contact our Technical Service department."

## SAFETY DATA

VOC level:	0 g/l
VOC ready-mix:	0 g/l
VOC category:	A/j
VOC limit:	500 g/l
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can.

## SHELF LIFE

Minimum of 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.

Date issued: 25/07/2023

**Available colours & pack sizes:** Please refer to the respective product page on [www.rust-oleum.eu](http://www.rust-oleum.eu) for an overview of actual available colours and pack sizes.

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