

RUST-OLEUM®
— INDUSTRIAL —



5412 EPOXY REPAIR PUTTY



Repair putty for pinholes or tiny cracks

- Extremely strong: 3x stronger than concrete
- Solvent-free and shrink-free
- Easy 1:1 mixing ratio
- Low odour
- For indoor and outdoor use

KNOW-HOW TO PROTECT™

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5412 EPOXY REPAIR PUTTY

DESCRIPTION

Solvent free, two component epoxy putty for repair of small cracks, air-pockets and/or blow-holes in concrete walls, ceilings or floors.

RECOMMENDED USE

5412 should be used for repair of small cracks, air-pockets and/or blow-holes in concrete walls and floors and is applied with a filling knife or a trowel. Can be applied directly on horizontal and vertical areas. Very porous substrates are to be primed with RUST-OLEUM 5401 Impregnation primer. Can be recoated with 9100, 5500, 9400, Pegakote etc.

TECHNICAL DATA

Density (g/cm³):	1.45
Gloss Level:	Matt
Solids Content in weight:	100%
Solids content in volume:	100%
Heat Resistance:	120°C (dry heat)
Compressive Strength:	75 MN/m²
Mixing Ratio:	1 : 1 (Volume)

DRY TIMES BY 20° C/RH 50%

Touch dry:	4 h (20°C), 8 h (10°C), 3 h (30°C)
Dry to handle:	16 h (20°C), 36 h (10°C), 12 h (30°C)
Dry to recoat:	16 h (20°C), 36 h (10°C), 12 h (30°C)
Fully cured:	7 days (20°C), 14 days (10°C), 5 days (30°C)
Pot Life:	30 minutes for a 1 kg. mix at 20 °C

RECOMMENDED WET FILM THICKNESS

0.2 - 3mm

RECOMMENDED DRY FILM THICKNESS

0.2 - 3mm

THEORETICAL CONSUMPTION

1.5 kg/m² per 1 mm thickness.

PRACTICAL CONSUMPTION

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 5412 or a coating system. The surface should be clean and dry during application.

DIRECTIONS FOR USE

Mix base and activator carefully with a filling knife, preferably not in the can but on a flat substrate alike a piece of hardboard.

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.

APPLICATION & THINNING: RAKE/TROWEL

Apply a slight over-amount of the Epoxy Putty with a filling knife or trowel; after drying reshape the surface by abrading the excessive amount. Do not add any thinner to the product.

CLEANING OF EQUIPMENT / SPILLS

RUST-OLEUM Thinner 160.

REMARKS

Maximum thickness (vertical): 3 mm. Expansion joints or dynamic cracks should be filled with a flexible sealant (5160). Epoxy Putty 5412 should always be sanded/abraded before recoating.

SAFETY DATA

VOC level:	0 g/l
VOC readymix:	490 g/l
VOC category:	A/i
VOC limit:	424 g/l
Grenelle:	C
Remarks regarding safety:	Consult Safety Data Sheet and Safety Information printed on the can.

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.

Date issued: 20/03/2025

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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