Product description

Ramset Epoxy Putty is a tough epoxy repair putty for use in high build concrete repair applications.

Epoxy Putty is 100% solids epoxy with negligible shrinkage.

Recommended uses

- Structural repairs to damaged concrete and masonry
- Filling holes, wide cracks, chips in concrete
- Filling gaps between steel and concrete and timber and concrete

Features and benefits

- Sag resistant
- High build consistency
- Suitable for filling voids with thick cross-section - low heat generated during cure
- Trowellable
- High compressive strength
- 100% solids epoxy – solvent free and negligible shrinkage
- Water proof when cured
- Equal Parts Mix Ratio - Easy to use and measure

Precautions

- If temperature is below 10°C, warm area with heat lamps to assist cure
- Do not use on damp or wet substrates

General preparation

- Concrete must be at least 28 days old and have a minimum compressive strength of 20 MPa.
- Ensure concrete is free from dust, oil, grease, laitance, form release agents, surface coatings, adhesives, loose materials or any agent, substance, material or contaminant that may interfere with the bond or may later affect the Putty.
- Grit blast or scabble concrete to expose clean surface
- Ensure surface is dry

Mixing

1. Read precautions section above and Material Safety Data Sheet before commencing
2. Epoxy Putty must be thoroughly mixed. Incomplete mixing will result in hard and soft spots and affect the Putty's strength
3. Measure equal parts of Part A and Part B onto a flat board
4. Using a spatula knead the two parts together until the colour is a uniform grey with no streaks

Pot life

Pot life depends upon ambient temperature and volume of epoxy. As a guide a 4 L kit will have 30 to 40 minutes pot life at 25°C

Typical Properties of Unfilled Epoxy Putty

Typical properties after 7 days cure at 25°C and 50% relative humidity

Appearance	Part A: White Thixotropic Paste Part B: Black Thixotropic Paste
Mixed Colour	Grey
Flammability	Non flammable
Solid content by weight	100%
Tensile strength	30 MPa approx.
Compressive strength	110MPa approx.
Flexural strength	25 MPa approx.
Tensile bond strength	10 MPa approx.
Modulus of elasticity	4.5 x 10^3 MPa
Service temperature	-10°C to + 65°C
Heat distortion temp	80°C approx.
Hardness	> 80 Shore D
Pot life	30 - 40 mins @ 25°C
Mix ratio	1:1 (part A:B) by volume
Min. Application temp.	10°C
Max. Application temp.	35°C
Density	1.5 kg/Litre
Full cure	7 days at 25°C

Application

- Apply Epoxy Putty using gloved hand or spatula
- Smooth surface with a trowel

Cure time

- Epoxy Putty will achieve about 80% of its final cure strength in 24 hours (in temperatures above 10°C), and will achieve full strength in 7 days.
- Remove formwork and apply full torque to bolts after 24 hours.

Clean up

Clean up uncured material and equipment immediately after use using Ramset Solvent (SVGP) or Xylene. Do not use solvents on skin. Remove cured Epoxy Putty by mechanical means.

Storage and shelf life

Store between 10°C and 30°C. Shelf life is 1 year in original unopened container.

Health and safety

- Avoid contact with the skin, eyes and avoid breathing vapour.
- Wear protective gloves and glasses when drilling, mixing or using.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do not induce vomiting. Give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes.
- If in eyes, hold eyes open, flood with water for at least 15 minutes and seek medical advice.
- MSDS available from www.ramset.co.nz or call 0800 726 738.

Pack sizes and order numbers

Pack size	Order number
1 litre	EPPYL1
2 litres	EPPYL2
4 litres	EPPYL4