

EPOXY PASTE 1210

Date of Issue: 25/6/14



Ramset Epoxy Paste 1210 is a tough, trowellable epoxy repair mortar for use in high build concrete repair applications.

Epoxy Paste 1210 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

MAY ALSO BE USED FOR

- ◆ Brick
- ◆ Concrete Block
- ◆ Stone
- ◆ Masonry
- ◆ Fibre Reinforced Composites

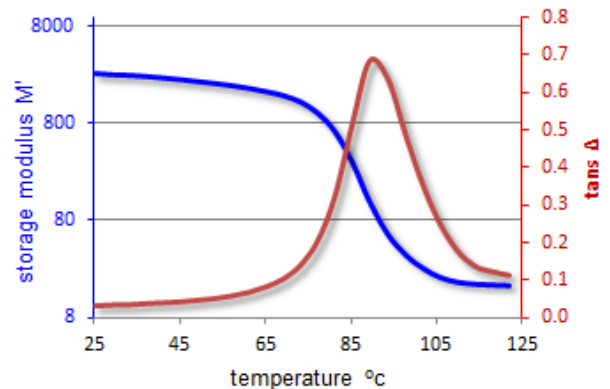
FEATURES AND BENEFITS

- ◆ Sets rock hard
- ◆ Bond is stronger than concrete
- ◆ High build paste 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

TABLE 1. Typical Properties of Unfilled Epoxy Paste 1210

Typical properties after 16 hours cure at 70°C

Appearance	Part A: White Thixotropic Paste Part B: Black Thixotropic Paste
Mixed Colour	Light Grey
Solid content by weight	100%
Tensile strength (ISO 527)	28 MPa approx.
Compressive strength (ASTM D695-02a)	65 MPa approx.
Flexural strength (ISO178)	52 MPa approx.
Flexural Modulus (ISO178)	3.9 x 10 ³ MPa
Lap Shear CRS (ISO1465)	20 MPa
T-Peel Zn Gal (ASTM D1876)	5 N/mm
Service temperature	-10°C to + 50°C
Glass Transition Temp (T _g) (ISO 11357-2)	50°C
Working Time	2 hours @ 25°C
Mix ratio	1:1 (part A:B) by volume
Min. Application temp.	10°C
Max. Application temp.	35°C
Density	1.25 kg/Litre
Full cure	1 day at 25°C



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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 7 days old
- ◆ To ensure a strong bond, clean concrete surface thoroughly to remove 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 mortar
- ◆ 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 Paste 1210 must be thoroughly mixed. Incomplete mixing will result in hard and soft spots and affect its 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 off-white with no streaks

POT LIFE: Pot life depends upon ambient temperature and volume of epoxy. As a guide a 4 L kit will have about 2 hours of pot life at 25°C

APPLICATION

- ◆ Apply Epoxy Paste 1210 using gloved hand or spatula
- ◆ Smooth surface with a trowel

CURE TIME:

- ◆ Epoxy Paste 1210 its final cure strength in 24 hours
- ◆ Remove formwork and apply full torque to bolts after 24 hours.

CLEAN UP

Clean up uncured material and equipment immediately after use with acetone. Do not use solvents on skin.

Remove cured Epoxy Paste 1210 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
- ◆ For more detailed information refer to the Material Safety Data Sheet available from *Ramset* by calling 1300 780 063 or from the web at www.ramset.com.au

PACK SIZES AND ORDER NUMBERS

Pack Size	Order Number
4 Litres	EP1210L4
20 Litres	EP1210L20

For further information, please contact Ramset™
AU - PHONE: 1300 780 063 www.ramset.com.au
NZ - PHONE: 1800 RAMSET (726738) www.ramset.co.nz

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