

TECHNICAL DATA SHEET

EPOXY RMT

A trowel-able, thixotropic, structural two-component adhesive repair mortar.

DESCRIPTION

Epoxy RMT (RB8.09) is an economical and versatile heavy duty, moisture tolerant epoxy paste suitable for a wide variety of purposes.

Epoxy RMT is a paste (as distinct to a heavy mortar like RB8.04). It is easier to mix and will apply by spatula or trowel. It provides a creamy, easy to apply and smooth consistency; yet is sag resistant up to normal film builds. It can be applied overhead and in vertical applications. It will bond more readily to surfaces due to its more pasty consistency.



SPECIAL PROPERTIES

- Simple 1:1 Mix ratio.
- Two colours differentiate resin and hardener.
- Interior | exterior application.
- Easy mix recognition.
- User friendly.
- General purpose.
- Very hard when cured.
- Many uses, handy, paintable.
- Highly durable; high compressive strength.
- Chemically resistant. - Acid and salt resistant.
- Very high adhesive and cohesive strength.

USES

- Bonding pipes, concrete and PVC. Bends in concrete pipes.
- Setting bolts and rebar into concrete. - Horizontal.
- Re-forming edges; stair nosing's, usable overhead.
- Fixing pipes | concrete.
- Filling holes, forming plinths.
- Fixing floors, tanks, concrete blocks, kerbs.
- Steel plate fixing to concrete.
- Patching floor holes.
- Smoothing concrete prior to application of Fibreglass, Carbon fibre or Kevlar for column reinforcement.
- Smoothing and repairing concrete surfaces; e.g. eroded sewer tanks and pipes, eroded marine concrete; Acid and salt resistant.

SURFACE PREPARATION

The surface to be filled/repared/bonded, must be clean and sound. Remove all dust, dirt, oil, scale, laitance, paint or any other contaminates.

Concrete: Acid etch | Shot blast | Diamond grind | Needle gun.

Metals: Degrease with Acetone > Abrade with medium grit abrasive paper > Degrease with Acetone again.

Timber: Prepare by way of mechanical sanding using 80 grit paper.

Composites: Degrease > Mechanically abrade > Degrease.

NOT RECOMMENDED

- Application below +12°C air temperature.
- Application to unsound substrates.
- Application to incorrectly prepared surfaces.
- Bonding Polypropylene and polyethylene.

MIXING INSTRUCTIONS

Carefully mix the product according to the stated mix ratio. Mix until uniform and no streakiness is evident. (Uniform grey colour)

Mix Ratio (must not be altered) :

Resin (Part A): 1 Part

Hardener (Part B) 1 Part

APPLICATION PROCEDURE

Trowel | Knife | Cartridge | Barrel gun

If using to imbed horizontal bolts and bars, put mixed RB 8.09 into empty cartridge tubes and insert bung. Pump into back of cleaned hole and insert bolt with hammer (or use barrel gun). May be wetted with water or methylated spirits to get a smooth glass like surface. - Excessive use of water will weaken the product.

Note: The installation of this product is specialty work and consideration should be given to the use of a competent installer.

IMPORTANT NOTE

Epoxy RMT (RB8.09) is a two part epoxy that is mixed in the specified ratio. Only this ratio will produce a hard, non-softening product. Adding more hardener (with the aim of making the product cure faster) will not work and will only result in making the product softer. The more hardener that is added, then the softer it will become. No matter how long it is left, it will never harden. Only the stated mix ratio will work and exhibit the stated performance data.

NOTE: The consequences of having soft Epoxy RMT due to poor mixing may be far reaching and costly to repair.

This is a job that must be done once, and done right. Many people do not understand the consequences.

One to one ratio mixing means just exactly that.

HEALTH AND SAFETY & CLEANUP

Wear gloves wherever possible. Wash hands with warm, soapy water after any skin contact. Re-seal all containers tightly. Wash hands with warm soapy water after any skin contact.

TECHNICAL DATA

Minimum application temperature:

Air 12°C

Flash Point:

NA

Tensile Strength:

37-47 MPa

Tensile Bond Strength:

10-14MPa

Compressive Strength:

80MPa

Flexural Strength:

17-18MPa

Maximum Operating Temp:

65°C

Adhesion properties to correctly prepared surfaces:

Concrete: Excellent

Polypropylene: oor

PVC: Excellent

Timbers: Excellent

Polyethylene: Poor

Metal: Excellent

Appearance:

Resin: White Paste

Hardener: Black Paste

Mixed Epoxy: Grey

PRODUCT PROPERTIES

Epoxy RMT (RB 8.09) is available in 8ltr kits. The product has a two year shelf life from date of manufacture.

Pot Life (Usable Life) Pot life is based on 100gram samples. Large quantities of mixed epoxy will generate heat and the pot life may be significantly reduced.	+12 ⁰ C– 50%RH +15 ⁰ C– 50%RH +20 ⁰ C– 50%RH	50 – 60 minutes 30 – 35 minutes 20 minutes
Cure Time	+18 ⁰ C –50%RH	24 hours
SG kg/litre ~ Resin ~ Hardener	1.4 1.4	
Density Kg/Litre -cured	1.4	
Coverage	Use as required: (0.001m ³ = 1 Litre) e.g. 1 litre covers 1m ² @ 1mm thick	
Clean up	Wash hands with warm soapy water after any skin contact Solvent HA for tools	
NZ Dangerous Goods Class ~ K125 Kit	Not Regulated	
Packaging ~ K125 Kit	8 litre kit	
Shelf Life	24 months from date of manufacture. (After this period consult with allnex).	

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our **Technical Sales Team: +64 4 568 5401**