

HIGH STRENGTH EPOXY FLOWABLE GROUT

Product Description

Rayston Epoxy Grout is a high performance non-shrink, epoxy grouting material for support and precision of heavy equipment to ensure the proper transmission of static and dynamic loads to the equipment foundation.

Uses

Rayston Epoxy Grout is a three-component system which includes a two-part epoxy resin and carefully blended aggregate.

1. **Rayston Epoxy Grout** provides excellent resistance to creep.
2. High compressive strength, modulus of elasticity.
3. Excellent resistance to cracking.
4. Good adhesion to steel and concrete
5. Excellent for use with machinery & dynamic loading that's creates vibration
6. **Rayston Epoxy Grout** is resistant to oil, synthetic lubricants, water and most chemicals, and cures quickly which means equipment can return to service much sooner.

CURE TIME

Cure time of the grout will depend upon the temperature of the base and foundation rather than the ambient air temperature. Unless the ambient air temperature has been constant for several days, the base/ foundation temperature will generally be lower than air temperature

POUR THICKNESS

Rayston Epoxy Grout can be used for deep pours. Max layer Thickness 5-6 cm.

PRODUCT

- 3 Component A+B+C
- Package (28KG)
- Product Density 2KG/Ltr

CONCRETE PREPARATION AND SEALING

The concrete surface must be chipped so that large aggregate is exposed to ensure removal of all laitance and weak surface material. New concrete should have a compressive strength of at least 20 MPa; greater strength is preferred. & aged from 3-6 min.

THE CONCRETE SURFACE MUST BE CLEAN AND DRY WHEN THE GROUT IS POURED.

METAL PREPARATION AND PRIMING

Base plates or rails and other metal surfaces to be grouted should be cleaned to obtain proper adhesion. This is preferably done just prior to grouting. Primer should be used ONLY when a long delay between cleaning and grouting will allow rusting or contamination. Surfaces where a bond is not desired should be protected with heavy coats of wax.

FORMING

Rayston Epoxy Grout is fluid and requires forms. Forms are Generally wood, the same as used for forming concrete. They should be of sufficient strength, anchored or braced to withstand pressure from the grout and must be "liquid tight".

FINISHING AND CLEAN UP

A smooth finish may be obtained by spraying or brushing the surface with solvent approximately 1 hour after the grout is poured. Best results can be obtained by smoothing the surface several times just prior to the hardening of the grout surface. Clean tools and mixer with solvent

SAFETY PRECAUTIONS

Rayston Epoxy Grout is a three-component epoxy grout formulated for industrial and professional use only and must be kept out of the reach of children. These products contain chemicals which may be COMBUSTIBLE and potentially HARMFUL to your health if not stored and used properly. Hazards can be significantly reduced by observing all precautions which are found on material safety data sheets, and product labels. Please read this literature carefully before using the product.

WORKING TIME

The working time of a **Rayston Epoxy Grout** mix begins when the hardener is added to the liquid. 50- 60 minutes at 32°C.

TYPICAL PHYSICAL PROPERTIES: METRIC

Colour	Dark Grey	
	Time (days)	(MPa)
Compressive strength	1	100
	3	110
	14	110
Tensile strength - ASTM C 307-83 (fill ratio 6:1)	14MPa	
Flexural strength - ASTM C 580-74, at 24°C	32MPa	
Bond strength to steel – tension	23°C	22MPa
	60°C	14MPa
Bond strength to steel – shear	23°C	35MPa
	60°C	14MPa
Impact strength	Superior to concrete	
Abrasion resistance	Superior to concrete	

Rayston Epoxy Grout

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STORAGE

Store under cover, out of direct sunlight, and protect from extremes of temperature. In tropical climates, the product must be stored in an air-conditioned environment.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Krypton Chemical technical team.

SHELF LIFE

Up to 12 months if stored in unopened containers according to manufacturer's instructions

SAFETY PRECAUTIONS

As with all chemical products, care should be taken, during use and storage, to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapor until product has fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Re-seal containers after use.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact your local Krypton Chemical Team. Krypton Chemical Team the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY STATEMENT

All products manufactured by Krypton Chemical Egypt ,or imported from Krypton Chemical Spain, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.



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