

CIKOdowel Grout

Epoxy resin based, high strength dowel grout

Description

CIKOdowel Grout is a two-component epoxy resin based high strength grout especially designed for dowel grouting.

CIKOdowel Grout is a solvent free epoxy resin based grout consisting of base, hardener, graded fillers and specialty additives resulting in a free-flow, high strength grout. CIKOdowel comes in three variants depending on the pot life as Fast, Medium and Slow differentiated as CIKOdowel Grout [F] or [M] or [S].

Properties

- Two component system.
- Easy to mix (prepacked material)
- High early and final strength.
- Resistance to wide range of chemicals.
- Withstands static and dynamic loads.
- Very low permeability.
- Provides high compressive, flexural and tensile strengths.

Application area

CIKOdowel Grout is mainly used for dowel grouting.

Physical properties

Form	Two component system Part-A : Viscous liquid Part B : Liquid	
Colour	Natural or light grey	
Gel time @ 25 ⁰ C ASTM D 2471	Fast set	8 minutes
	Medium set	35 minutes
	Slow set	60 minutes
Compressive strength ASTM C 579	1 day	>45 N/mm ²
	7 days	>70 N/mm ²

Flexural strength ASTM C 580	3 days	>22 N/mm ²
Tensile strength ASTM C 307	7 days	>12 N/mm ²
Chemical Resistance	Resistance to most chemicals. Data available upon request.	

Application instructions

Surface preparation

Clean the concrete surface to remove loose and unsound material by means of compressed air or any suitable means to attain a sound, clean concrete surface. Grease and oil traces if present shall be removed. The surface must be clean and dry, free from free standing water and dampness. Dowel pockets must be cleaned and made free from free standing water and dampness.

Mixing

The base [Part-A] and hardener component [Part-B] of CIKOdowel Grout should be mixed thoroughly using a heavy duty slow speed drill-paddle assembly for two to three minutes and ensure that a homogenous mix is obtained.

Placing

Pour the mixed grout and maintain a minimum of 15cm pouring head to achieve maximum flow property of the grout. The mixed material must be placed well before the pot life of the material.

Note: Application temperature must be between 5⁰ C and 35⁰ C.

Packaging

CIKOdowel Grout is available in 1 ltr and 4 ltr kits consisting of Part- A & B.

Shelf life

CIKOdowel Grout has a shelf life of 12 months if stored in accordance with manufacturer instructions.

Storage

CIKOdowel Grout should be stored under cool enclosed shaded area at temperatures between 5 – 35⁰C.

Health & safety

CIKODowel Grout should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- *Concrete admixtures and additives*
- *Waterproofing and damp proof coatings*
- *Surface treatments*
- *Flooring and toppings*
- *Grouts and anchors*
- *Tile adhesives and grout*
- *Concrete repair materials*
- *Adhesives and bonding agent*
- *Protective coating*
- *Joint Sealants and Moulding compounds*
- *Ancillaries*

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Note: The information presented herein based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control

