



PRODUCT DATA SHEET

PRODUCT: E211

EPOXY GROUT

Description

E211 is a 3 Part, moisture tolerant and low temperature cure, self-levelling grout with outstanding high early strength gain and good chemical resistant properties. The aggregate does not settle out thus remaining suspended. E211 is designed to withstand dynamic loads in various civil applications

Principal uses

Precision anchoring of heavy equipment

- Machine and Crane rail grouting
- Ideal as a grout medium where there is excessive vibration
- Grouting of holding down bolts
- Concrete remediation (horizontal substrates)

Advantages

- Rapid development of physical properties
- Vibration resistant
- Low temperature cure
- Excellent chemical resistance
- Fast return to service
- Self-priming
- High compressive, tensile and flexural strength

Performance data

Compressive Properties *ASTM-D-695*

Compressive strength	>90Mpa	7 days
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Tensile Properties:ASTM-D-638

Tensile strength @ 7days	15Mpa
Elongation @ break	2.8%

Pull-out test: (Concrete failure)

- 32mm hole diameter, 200mm deep, 3days: 44,82Mpa (6500psi)
- Please note that strengths will change in accordance to depth and diameter of the hole and rebar

Surface preparation

Remove all loose material, rust and any oil based residue where the product will be applied. This can be done by wire brushing, sanding, grinding or sand blasting the surface

Pot life & Curing

The product has a 25 minute pot life at an ambient temperature of 25°C. Should the temperature increase, expect an accelerated reaction. In typical applications the product will be touch dry in 8 hours and fully cured in 7 days

Application

Mixing- empty component A and B into a big enough mixing vessel. Using a small trowel, mix component A with component B until uniform colour is achieved. Add component C in small increments to the mix, repeat this until desired consistency is achieved
Application- Place the mixed grout immediately after mixing; any delay will reduce the ability of the product to flow. Pour continuously from one side only at a uniform rate until the grout has flowed into position
 Care must be taken when pouring the material to ensure that no voids or trapped air are in the filled gap. It is important that sufficient material is always mixed and ready to pour in order to ensure continuous flow.

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Yield

One 20.55kg kit will yield approximately 12,8ℓ

Limitations

Working temperature between 5-30°C.
Do not add solvents. Porous substrates must be tested for moisture vapour transmission prior to application

Safety & Handling

Epoxy resin components may cause skin irritation. The product is low in acute oral toxicity. At room temperature, there is exposure to vapours from the product that may cause allergic skin reaction in humans. Safe handling can best be accomplished by adhering to the following rules:

- Work in well ventilated areas
- Wear PVC gloves, safety glasses and aprons
- Use soap and water after using epoxies to remove any residue
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention
- Prior to mixing and curing the product is harm full to the environment

Packaging

The product is a 3 component kit
The following kit size is available; 12,8lt (20.55kg) kit

Shelf life & storage instructions

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

Note

For further instruction please consult your local representative for a method statement on the product

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