

PRODUCT DATA SHEET

Description

C250S is a general purpose hydraulic grout designed for use as a transfer medium between load bearing members. C250S is a high strength grout with good flow properties and can also be used for grout packing applications the product is non shrink and contains no chlorides or nitrates.

The product complies to ASTM C827 AND ASTM C 109-80

Principal uses

- Base plates, bearings, columns and crane rails
- Anchor bolts, starter bars, cables
- Void filling in concrete
- Structural columns
- Heavy machine bases

Advantages

- Does not shrink
- Adjustable consistency
- High bond strength to steel and concrete
- High early strength development

Performance data

Property	Typical results		
	24 hours	7 days	28 days
Compressive strength			
Water @ 3,5ℓ per 25kg	24Mpa	40Mpa	63Mpa
Water @ 4.2ℓ per 25kg	16Mpa	36Mpa	55Mpa

Restrained expansion 0 - 0.4%

Flexural strength @7 days 7.2Mpa

When grouting anchor bolts please note that a minimum diameter of three times the bolt diameter is necessary, if the area is smaller use either E222 or E211 for results

Surface preparation

Concrete substrate must be structurally sound. Remove all oil, grease, paint, corrosion, dust and surface deposits. This can be done by wire brush or sand blasting. Ensure surface is wet or prime with *Plaster Key* to improve bond

Limitations

Do not grout at temperatures below 9°C. Avoid excessive heat 35°C and higher when grout is placed from a minimum lift of 12mm to 100mm lifts (maximum lift 150mm)

Wet hessian or cooling of water may be used to reduce evaporation rate

Grout cannot be reworked by later addition of water
Use curing compounds for improved results

Mixing instructions

Pre wet concrete mixer, add between 2.5ℓ and 4.5ℓ of water into the mixer, depending on the consistency required.

Plastic 3-3,5lt

Flowable 4-4,5lt

Yield

Mixed with 3.5ℓ of water will yield 12ℓ

Mixed with 4.5ℓ of water will yield 13,5ℓ

Set time

Plastic consistency ASTM C191

Initial set 2h30

Final set 4hours

Packaging

C250S is available in 25kg bags

Safety & handling

Wear dust masks when mixing. Use gloves, eye protection at all times. Should the product come into contact with eyes, wash immediately and seek medical advice

Shelf Life & Storage

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

Notes

For any epoxy grouting, precision grouting or rapid set grouting consult your local representative for related products to suit specific requirements

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