

PRODUCT DATA SHEET

Description

Micro Concrete is a high early strength, non-shrink structural grout that can be used for structural repairs

Principal uses

- Structural repairs where there is load bearing
- Column repairs where sections are missing
- Where access is limited or heavy steel network exists

Advantages

- Improved workability
- Modulus of grout is similar to that of concrete
- Good flow properties
- Shrinkage compensated

Performance data

Compressive strength

Water ratio	1 Day	7 Days	28 Days
3ℓ	20Mpa	>38Mpa	>50Mpa
2,0ℓ	27Mpa	>58Mpa	>70Mpa
1,2ℓ	37Mpa	>74Mpa	>90Mpa

Indirect tensile strength

2.8N/mm² at 28 days

Water penetration

>30 better than low permeability concrete

Workability

The mixed product is flow-able and easy to apply

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. Apply E181 Wet to Dry epoxy adhesive to the surface. Apply Grout within 36 hours

Limitations

Do not grout at temperatures below 9°C. Avoid excessive heat 35°C and higher, wet hessian may be used to reduce evaporation rate. Grout cannot be reworked by later addition of water.

Use curing compounds for improved results. Minimum repair should be 20mm

Mixing instructions

Dry packing consistency add	1,2ℓ water
Plastic consistency add	2.0ℓ water
Flowable consistency add	3.0ℓ water

Yield

Mixed with 3.0ℓ of water will yield approximately 12ℓ

Packaging

Micro Concrete 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

Note

Consult your local representative for a method statement

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