

Geo 8000

Microcement



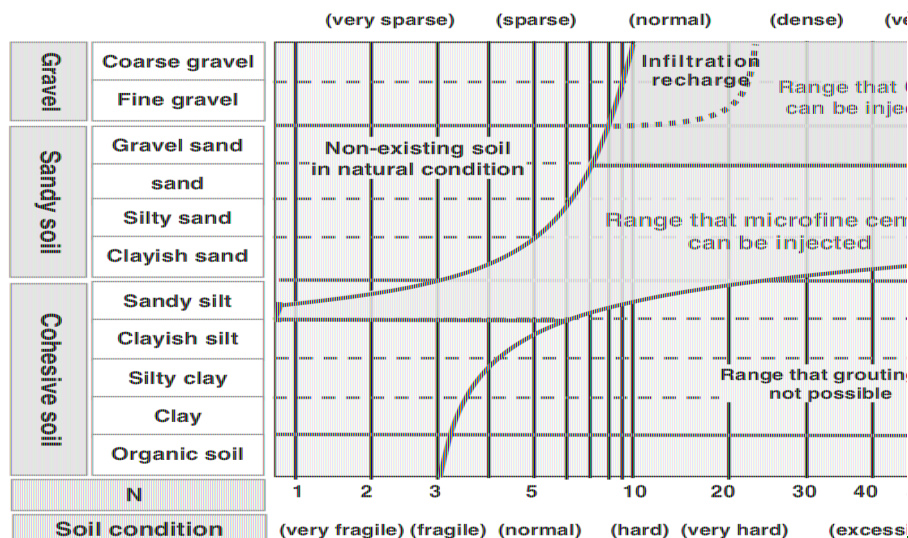
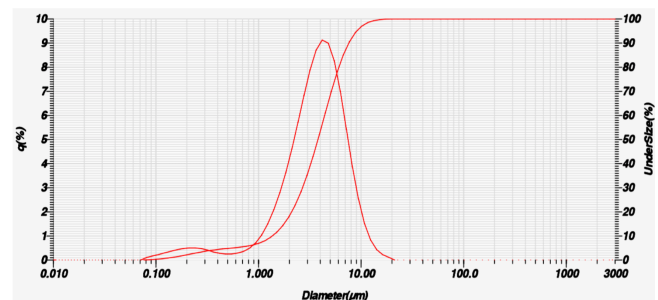
FEATURES

Geo 8000 is a micronised cement grout with an average and median particle size between 4 and 5 microns, The specific surface area is between 900-1000 m²/ kg.

Geo 8000 can be used to stabilise and strengthen substrates to accommodate structural loadings, fill fissures and voids in rock and concrete structures, to consolidate ground for tunnelling operations or to grout structures in place after construction.

Geo 8000 is specifically designed to stabilise, strengthen and seal fine grain substrates containing clay, silt or other fine particulates.

Geo 8000 is ideally suited for curtain grouting and other permeability reduction applications.



ADVANTAGES

- Non-toxic and environmentally friendly product
- Contains no hazardous ingredients, filtrates or leachates
- High early and final strengths
- Water cement ration can be varied to suit the application
- Easy to handle store and use
- Can permeate through substrates down to silty fine sands

USES

- **Tunnelling** - Sealing faces and walls, grouting tunnel structures, sealing fracture zones etc
- **Soil Stability** - Stabilising land slip zones and embankments
- **Containment** - curtain grouting around oil and chemical storage facilities or polluted sites
- **Water storage** - curtain grouting under dam walls, sealing fractures in foundations, preventing seepage and losses
- **Oil Fields** - sealing of underground storage facilities, sealing of water producing perforated zones

SPECIFICATION DATA

Blaine (m²/kg):	900 - 1000	Cleanup:	Water
D95:	~9 microns	Packaging:	20kg bags
D50:	~4 microns	Storage:	Store under cool dry conditions
Average particle size:	~4 microns	Shelf life:	12 months
LOI:	<1%		

Yield

Mix ratio W:C by weight

Compressive strength in sand 0.1 to 0.3mm MPa (Approximate at 7 days)

1:1	12
1.5:1	10
2:1	8
3:1	6.5
5:1	2
8:1	1

DIRECTIONS FOR USE

Geo 8000 should be mixed with the appropriate amount of water to achieve the required physical properties. Add the Geo 8000 to water/additives and mix for at least 3 minutes, keep the mixed grout continuously moving during injection.

Geo 8000 can be injected using a standard grout pump through either injection lances or a tube a Manchette system.

Additives

A **Water reducer** may be added to reduce grout viscosity and lower pump pressures. Water reducers are surfactants designed to keep the cement particles separated. Dose **Ad-Tek MWR** water reducer at one litre per 100kg of cement.

Wash equipment immediately after use with water. light contamination such as splashes can be removed with CRG Agi-clean, however set material may need to be removed by mechanical means.

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