

SMS | Specialised Mining Services

Description

Insta Grout Con is a three component grout from ISO. It is for injection into soil, rock and concrete. The grout forms a strong-ridged grout in the substrate with excellent bond and high failure stress properties. By increasing or decreasing the accelerator the gel time can be varied.

Fields of application

- Control water influxes in tunnelling, mining and civil applications
- Control extremely high water yields
- Sealing of high volumes of uncontrolled water influxes
- Consolidation of soil and rock for support purposes
- Permanent fixture of rock anchors

Advantages

- Low viscosity for penetration in low permeable fractures and openings
- Variable gel time with achievable ultra fast gel times
- Effective seal in minutes
- Stabilization of soil and rock
- Non toxic, non corrosive, non flammable and solvent free
- PWC potable water certified approved
- Sealing of high volumes of water
- Grout maintain positive pressure on the strata
- Maintains good ductility
- Lightweight and simple application equipment
- Low viscosity and solids content to penetrate small fractures and low permeable formations
- Water and air tight
- The hardened polymer meets Class 0 rating for flame spread and smoke development of the Uniform Building Code as published by the International Conference of Building Officials (ICBO) when tested to ASTM E84-98

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Technical Data

Form

Insta Grout AS	Low viscosity liquid
Insta Grout Con	Powder

Colour

Insta Grout AS	Fluorescent green
Insta Grout Con	Pink-white
Density mixed (+20°C)	2.3 ±0,1 kg/l
Cured form	Ridged hard gel
Compressive strength	Variable from 1 mPa to 70 mPa
Ductility	10%
Density mixed (@20°C)	1.43 kg/l
Application temperature	-5 to +45° C
Expansion in water	< 1%
Reaction time	Variable from 30sec to 45min @20°C
Chemical resistance	acids and solvents
Particle Size	-10 micron

Storage

Between 5 and 35°C, the shelf life is minimum 3 months if kept in closed original containers. Store out of direct sunlight.



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