

DSI ROCKFAST DCP GROUT**F2.1**

DESCRIPTION: DSI-99 is a low shrinkage cement grout for the placement of rock bolts for tunnel and other civil applications.

FEATURES:

- Type A cement with 10% silica fume blend
- Ease of mixing workability
- High ultimate strength
- Low shrinkage
- High bond to steel
- High density grout low porosity
- Minimal bleed

PERFORMANCE: The strength development of cement grout varies with amount of water used, ambient temperature and age of curing. Typical results with DSI-99 of a water/grout ratio of 0.315:1 are listed below:

Age	Compressive Strength (MPa)
7 days	45
28 days	54

SHRINKAGE: When tested in accordance with AS2073-1977 the following typical figures are shown using a water/grout ratio of 0.315:1

Age	Shrinkage (% volume)
1 day	0.27
3 days	0.30
7 days	0.36

MIXING: Suitable grout pump with pedal mixers and accurate water gauges. Do not use excess water. Recommended ratio is 6.3 litres per 20kg bag.

CLEANING: As with all cement grout regular cleaning of pump and grout lines with clean water is essential.

YIELDS: When mixed at 6.3 litres per 20kg bag DSI-99 will yield approx 13.1litres (0.0131m³).

SHELF LIFE: When stored in a cool dry area. DSI-99 has a shelf life of 6 months.

PRECAUTIONS: DSI-99 is not toxic, but contains Portland Cement and as such it is alkaline in nature and can be irritating to the skin and eyes. Wear dust masks, goggles, and gloves when handling. Wash off any grout with clean water.

Refer to material safety Data Sheet for full safety directions.