

Product Code

G R O U T H Y 2 0 - G R O U T H Y 1 2 0 0

## Key Features

DSI HY GROUT is a premier high yield pumpable grout. It is a one component cementitious powder that requires only the addition of water in a suitable mixing machine to create a low viscosity grout.

- Exceptional compressive strength at high water to powder ratios High yield reduces materials transportation and handling.
- Up to 98% water by volume support grouts.
- Resistant to corrosion or decay.
- Long pumping distances.
- Non-hazardous, Non-Toxic.

## Recommended Uses

DSI HY GROUT is recommended for use in mining, civil and construction applications for:

- Rock fall
- Backfill Binder
- Consolidation
- Ventilation Control Seals

## Performance Data

### Compressive Strength MP – 100mm Cubes to AS1478 at 23°C (+-2°C)

Physical Properties	Time	Mix Ratio Strengths			
Water: Powder		1:1	1.5:1	2:1	2.5:1
	2 hours	7.44	4.13	1.27	0.72
	24 hours	10.82	5.43	2.91	2.26
	7 days	12.76	6.56	3.54	2.60
	14 days	14.66	9.31	7.16	6.19
	28 days	16.88	11.06	9.40	7.01
Gel Time mins at 20°C		1 min	2 mins	5 mins	7 mins
Mix Grout Density (kg/m <sup>3</sup> )		1,550	1,390	1,300	1,270
Yield (20kg bag/m <sup>3</sup> )		~39	~27	~21	~18

Flexural Strength: 0.78 MPa based on 2.5:1 Water: Powder ratio

Note: Variations are to be expected because of changing site conditions, weather, quality of preparation, level of expertise during application and curing.

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All dimensions, weights, quantities and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local DSI Underground representative for final confirmation of any key specifications.

## Shelf Life

If DSI HY Grout is kept in its original packaging in a dry environment, shelf life of 12 months is to be expected. This time may be reduced if the product is subject to high temperatures or humidity. Bulk bags are expected to remain covered in plastic until use. If products are to be stored underground, they should be stored in a dry area, free from water ingress.

## Application

DSI HY Grout must be used as is and not diluted or extended. Additions to the product will change the performance and reduce the efficiency of the product.

Due to the diverse nature and application range of DSI HY Grout it is highly recommended grout selection is made by consultation with our trained staff and that on-site training is undertaken prior to the application of the product.

Note: The product must be used in accordance with strict process and quality control procedures and only be utilised at the discretion of a qualified mine engineer.

## Packaging

DSI HY Grout is packaged in 20kg, 1,000kg and 1,200kg bags.

## Health and Safety

- Avoid Contact with skin and eyes.
- Wear suitable protective clothing.
- Avoid inhalation or ingestion.
- In case of contact with skin or eyes, rinse immediately Seek medical attention immediately if ingested.

## Phone APP

- Want to know more; our full product range, knowledge centre, and other details are available via the App; available on iOS and Android devices by searching "DSI Underground".



iOS



Android