

## Specialty Grouts and Cements

### Bottom-Up 100 MPa Grout

Bottom-Up-100 is a pumpable cementitious grout for use as a bonding agent between a reinforcing member and the borehole wall in ground support systems. The product is packaged in durable water proof 20 kg bags for use in remote and harsh underground mining environments. The product is designed to minimise the risk of hard lumps entering pumping injection systems, which in turn minimises hazardous pressurisation and blockages.

#### Features:

- High strength 100 MPa cable bolt grout for “bottom-up” grouting
- Ready to use, mix with water and pump
- Excellent pumpability
- Non shrink, unique expansion system compensates for shrinkage
- Typically used with Bowen cables, 15.2mm triple/twin-strand cable bolts and trusses

#### Packaging:

- Durable water proof 20kg bags for use in remote and harsh underground mining environments
- 56 bags per pallet, 1.2 tonne per pallet



Uniaxial Compressive Strength* (MPa)			
Water Addition	1 Day	7 Days	28 Days**
5 litres/bag	60	100	105
6 litres/bag	55	90	100

\*UCS independent test results were obtained using 50 x 50mm cubes

\*\*28 day strength may vary between 85 MPa and 105 MPa depending on water content and testing methods utilised

Water Addition	5 - 6 litres per bag
Estimated Yield	12 - 13 litres per bag