

## KM Ready Grout

KM ready grout is a specially formulated blend of OPC, Bentonite and GGBS. It is specifically designed for ease of mixing to provide excellent sealing and a hard, but not brittle, final grout that exhibits lower shrinkage and lower heat of reaction than regular Bentonite/OPC grouts. KM Ready Grout can be used for general purpose grouting to provide a cut off between different strata or to provide a highly impermeable ground barrier that is slightly plastic and can be cut or drilled out easily. KM Ready Grout comes ready to mix in water - a high shear mixer or a re-circulating centrifugal pump mixer is advised to achieve full dispersion. It also exhibits slow setting time (approx. 48hrs), good pumpability / workability and low bleed so it is easy to place and will not flash set.



**Applications:** • Geothermal and other Grouting • Repair of slurry walls • Cable and pipe protection

### Typical Properties

#### Physical Properties

#### Slurry Properties

Physical Appearance	Light Grey powder	Marsh Funnel Viscosity	38 secs
PH	12-14	Bleed per litre	2ml
Specific Gravity	2.75 - 3.25	Fluid Loss	70ml
Bulk Density	1100 - 1250 kg/m <sup>3</sup>	Conductivity w/m/oc	0.6-0.63
Mean Particle Size	5-30 microns	Strength 7 / 28 days	352 / 705 kpa, 51 / 102 psi
LOI	1.14%	Permeability 28 days	7.3x10 <sup>-11</sup> m/s

### Mixing Volumes

Up to 10% extra water may be used if greater fluidity required or if using in very hot weather.

Bags	Water - Litres*	Final Vol - Litres	Bags	Water - Litres*	Final Vol - Litres
1	90	100	6	540	600
2	180	200	7	630	700
3	270	300	8	720	800
4	360	400	9	810	900
5	450	500	10	900	1000

Available in 25kg sacks on pallets or \*Bulk\* 1 mt Big Bags (\*special order)