

Gel Modified Grouts

READER

CEMENT PRODUCTS

THE PRODUCT

A range of thixotropic, shrink compensated gel modified grouts.

Blends of quality assured ingredients including Portland Cement (to BS EN 197-1), selected pulverised fuel ash (to BS EN 450) and a grout gelling additive.

The mixed grouts offer good pumpable qualities, reduced heat of hydration and a high level of resistance to sulphate and other chemical attack when cured.

MIXING & PLACING

Hand operated mixers and pumps. Paddle or colloidal systems through piston or diaphragm pumps.

PACKAGING & STORAGE

Gel Modified Grouts can be supplied in Bulk Tanker, 20kg plastic bags or 1 tonne bags, palletised and shrink wrapped.

The material should be stored clear of the ground, sheeted and preferably under cover. The pallets should not be stacked more than two high with the material being used on a first in, first out basis.

The shelf life of all products is 8 weeks if supplied in paper sacks and stored correctly, and 12 months if stored in plastic sacks.

HEALTH & SAFETY

Cement powder when mixed with water releases Alkali which may cause skin and eye irritation. We therefore advise the use of barrier creams, gloves and protective eyewear as a precaution when using these products.

A further detailed Health and Safety Data Sheet for this product is available on request.

QUALITY

All Reader products are tested in accordance with specific procedures to ensure compliance to specification prior to despatch and are subject to the controls of a BS EN ISO 9001 : 2008 approved quality system.

WATER

All Reader products should be mixed using potable water which complies with BS EN 1008, as for conventional concrete and mortar.

Typical Performance (when mixed at 0.4 wsr under laboratory conditions @ 20°C)

Product	Typical compressive strengths (N/mm ²)				Flow Channel cm	Tonnes To Make 1m ³	Fresh Density kg/m ³	Setting Time Hours
	1 Day	3 Days	7 Days	28 Days				
GC 80	5.5	21	30	55	35 – 40	1.29	1806	5
GC 70	4.5	15	23	45	35 – 45	1.27	1778	6
GC 60	4	12	21	40	35 - 45	1.26	1764	7
GC 1	3	8	18	30	35 - 45	1.25	1750	8
GC 1.5	2	5	11	22	35 – 45	1.23	1722	8
GC 2	1	4.5	9.5	17	35 – 45	1.23	1722	8
GC 2.5	-	3.5	7	15	35 – 45	1.22	1708	8
GC 3	-	2.5	5.5	12	35 – 45	1.20	1680	8
GC 4	-	1	3	8	35 – 45	1.20	1680	8
GC 5	-	-	2	6.5	35 – 45	1.19	1666	9
GC 7	-	-	1.5	4.5	35 – 45	1.19	1666	10
GC 10	-	-	-	2.5	35 – 45	1.16	1624	11
GC 15	-	-	-	2	35 – 45	1.13	1582	12
GC 20	-	-	-	1.5	35 – 45	1.13	1582	15



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Danger

Causes serious eye damage
Causes skin irritation

May cause allergic skin reaction
May cause respiratory irritation

