

Borehole Fill Material

Mikolit B Bentonite Pellets



Mikolit B[®] is a sealing pellet which requires no mixing or pumping. It is a patented clay-based pellet with a very low dust content.

It is a high grade bentonite pellet manufactured from a mix of activated calcium bentonites to provide a high swelling capacity of 180-200%.

All Mikolit B[®] pellets have excellent sinking qualities and are easy to use.

Pellet Size: \pm 8mm (D); 7-12mm(L)

Processing Time: None

Sinking Speed In Water: 21m/min

Saturated Density: \sim 1.70-1.80 t/m³

Bulk Density: \sim 1.0 t/m³

Delayed Swelling Time: \sim 12 minutes

Swelling Capacity: 180-200% Swelling Pressure: 12-15 kN/m²

Permeability: $<$ 10-12m/s

SHELF LIFE: Unlimited if unopened & kept in a dry location

PACKAGING: 25kg waterproof bags, 42 bags per Europallet (disposable). 500 & 1000kg 'Big Bags' also available

APPLICATIONS

Borehole sealing

Isolating instrumentation and sampling zones

FEATURES

180-200% swelling capacity

Suitable for use in seawater

Pre-formed pellet

Delayed swelling

No grout loss

No grouting/mixing machines required

Simple & easy to use

Environmentally friendly

Low permeability

Dust-free

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Quantity table

ESTIMATED AMOUNT OF MIKOLIT B REQUIRED KG/M

BOREHOLE DEPTH (mm)											
		00	100	125	150	200	250	300	400	500	600
Pipe Outside Diameter (mm)	0		8	12	18	31	49	70	125	195	280
	50		6	10	16	29	47	68	123	193	279
	100			4	10	23	41	62	117	187	273
	125				5	19	37	58	113	183	269
	160					11	29	50	105	175	261
	200						18	39	94	164	250
	250							21	76	146	232
	315								47	118	203
	400									70	156
	500										186



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