

TECHNICAL DATA

Mikolit®-ThermoSeal is a highly swelling clay product with a strongly enhanced thermal conductivity. Material with high conductivity is added to the raw material. After the spaces between the grains have been filled up, a wide degree of swelling capacity remains, which means that, in case of damaging, the clay layer will repair itself. Mikolit®-ThermoSeal has excellent sinking quality's, due to the fact that the product is free of dust, it has a strongly slowed down start of swelling and it has favourable grain dimensions. Schrinkung of the PE-material of the heat exchanging hose does not cause cracks in the sealing and does not decrease heat conductivity.



Bags 25 kg



Pellet length 2 – 12 mm



Swelling capacity 40 – 60%

Product name:	Mikolit®-ThermoSeal
Pellet color:	Black
Pellet size:	Ø ± 8 mm, length 2 – 12 mm
Package:	Bags 25 kg
Sinking speed in water:	21 m/min
Density water saturated:	1,7 – 1,8 t/m ³
Bulk density:	1,1 t/m ³
Start of swelling:	15 min
Swelling capacity:	40 – 60% ¹⁾
Permeability:	< 10 ⁻¹¹ m/s
Swelling pressure:	9 kN/m ²
λ:	2 W/m ² K

¹⁾ Free swelling in goblet glass in dem. water, additional to pore volume.

Quantity needed (kg/m)

TS	Loopconfiguration	Bore-hole (mm) ▶					
		100	120	140	160	200	250
Simplex	2 x 25	7,5	11,3	15,7	20,9	33,2	52,6
	2 x 32	6,8	10,6	15,1	20,2	32,6	51,9
	2 x 40	5,8	9,6	14,1	19,2	31,6	50,9
Duplex	4 x 25	6,4	10,2	14,7	19,8	32,2	51,5
	4 x 32	5,1	8,8	13,3	18,5	30,8	50,1
	4 x 40	3,1	6,9	11,3	16,5	28,8	48,1
Special	2 x 25 + 1 x 32	6,6	10,4	14,9	20,0	32,4	51,7
	2 x 32 + 1 x 40	5,5	9,2	13,7	18,8	31,2	50,5

Distributed by:

Mikolit®-products are produced by:



Engelenkampstraat 71 • Postbus 78 • NL-6130 AM Sittard

Telephone: +31 (0) 46 4 526 662 Fax: +31 (0) 46 4 513 055

E-mail: info@terratech.nl

The producer remains the right to change specifications of the products without further acknowledgement.