

SWELLTIGHT® BENTONITE SEALING PELLETS

SWELLTIGHT® Bentonite sealing pellets by name are a quick, clean and easy way to obtain a watertight seal the top of boreholes to stop the ingress of surface water contamination.

They are ideal for grouting in deeper boreholes where water is present as they will reach depth before the onset of swelling, which greatly reduces the risk of bridging.



Product Information		Composition (By XRD Analysis)	
Colour	Light grey	Montmorillonite clay	Major (ca. 60%)
Diameter	8 mm	Calcite	Some
Length	5 - 15 mm	Feldspar	Minor
Bulk density	1.05 - 1.10 g/ml	Alpha quartz	Minor
Specific gravity	2.2 - 2.5 g/ml		

Typical Performance Characteristics	
Free swelling volume	>500% (after 48 hrs)
Contained swelling volume	>40% (after 48 hrs)
Setting velocity	40 cm/sec
Swelling onset	15 minutes

Typical Analysis (%)									
SiO ₂	K ₂ O	MgO	TiO ₂	Fe ₂ O ₃	H ₂ O	Na ₂ O	CaO	Al ₂ O ₃	Loss on ignition
65.3	1.7	3.35	0.63	6.36	14 - 18	4.9	1.01	11.7	0.02