

TECHNICAL INFORMATION

SWELLTIGHT® Bentonite Sealing Pellets

SWELLTIGHT® Bentonite Sealing pellets 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.

TYPICAL ANALYSIS:-

SiO ₂	65.3%
Al ₂ O ₃	11.7%
Fe ₂ O ₃	6.36%
TiO ₂	0.63%
CaO	1.01%
MgO	3.35%
K ₂ O	1.70%
Na ₂ O	4.90%
LOSS ON IGNITION	5.7%
H ₂ O	14-18%

COMPOSITION (BY XRD ANALYSIS)

MONTMORILLONITE CLAY	MAJOR (ca. 60%)
CALCITE	SOME
FELDSPAR	MINOR
ALPHA QUARTZ	MINOR

PELLET SIZE, DENSITY & COLOUR

DIAMETER	8mm
LENGTH	5-15mm
BULK DENSITY	1.05-1.10 g / ml
SPECIFIC GRAVITY	2.2-2.5 g/ml
COLOUR	LIGHT GREY

TYPICAL PERFORMANCE CHARACTERISTICS

FREE SWELLING VOLUME	> 500% (AFTER 48 HOURS)
CONTAINED SWELLING VOLUME	> 40% (AFTER 48 HOURS)
SETTING VELOCITY	40 (CM / SEC)
SWELLING ONSET	15 (MINUTES)

Available in 25kg bags