

# BentoShield® MAX

GEOCOMPOSITE WATERPROOFING



## BENTOSHIELD MAX

TECHNICAL DATA SHEET 08.2017.v.3

"BentoShield MAX" is a factory prehydrated bentonite membrane specially formulated for below grade waterproofing applications. It is composed of polymer enhanced sodium bentonite granules encapsulated between high strength woven and non-woven geotextiles.



### Permeability

ASTM D 5887

<  $1,0 \times 10^{-11}$  m/sec

### Tensile Strength

ASTM D 6768

> 12 kN/m

### Puncture Resistance

EN ISO 12236

> 1850 N

### Peel Adhesion to Concrete

ASTM D 903

> 2,5 kN/m

### Low Temperature Flexibility

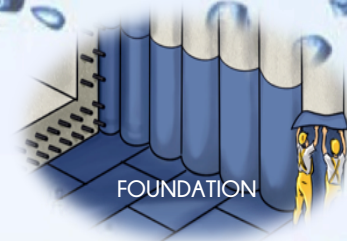
ASTM D 1970

> Unaffected at 32°C .

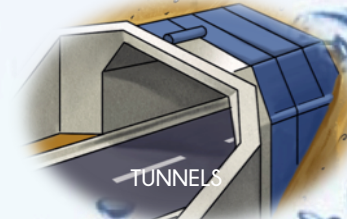
### Thickness

EN 964-1

7,00 mm



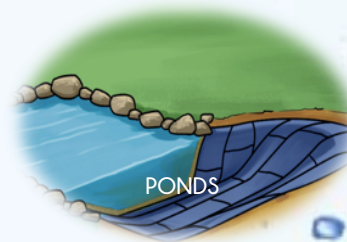
FOUNDATION



TUNNELS



GREEN ROOF



PONDS

### BENTONITE LAYER

#### Bentonite Content

ASTM 5993

> 6000 g/m<sup>2</sup>

#### Swell Index

ASTM D 5890

> 27 ml/2g

#### Fluid Loss

ASTM D 5891

< 15 ml

### MULTIFUNCTIONAL LAYERS

#### Cap Layer

ASTM D 5261

200 g/sq.m

#### Carrier Layer

ASTM D 5261

110 g/sq.m

#### \* Roll sizes

2,5m x 30m — 475 kg

1,10m x 5m — 35 kg



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