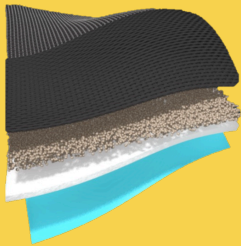




# BENTOSHIELD MAX5 LM<sup>®</sup>

FULLY BONDED, SELF-HEALING SALINE RESISTANT WATERPROOFING



“BentoShield MAX5 LM” is a specially designed below grade waterproofing for contaminated conditions. It uniquely combines the self healing property of polymer modified sodium bentonite with impermeable PE film and acts as a dual protection system.

## GEOCOMPOSITE PROPERTIES

**Mass per unit area**

ASTM D 5993 (15% MC)

**Hydrostatic Pressure**

ASTM D 5385

**Permeability**

ASTM D 5887

**Tensile Strength**

ASTM D 6768

**Puncture Resistance**

EN ISO 12236

**Thickness**

EN ISO 9863-1

**Low Temperature Flexibility**

ASTM D 1970

> 5500 g/m<sup>2</sup>

> 100 m

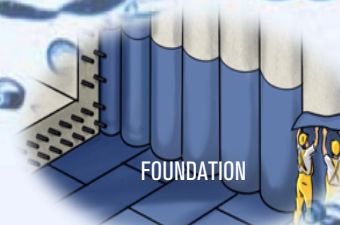
no flow observed

> 10 kN/m

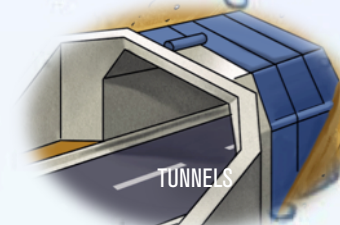
> 1800 N

5,80 mm

-32 °C



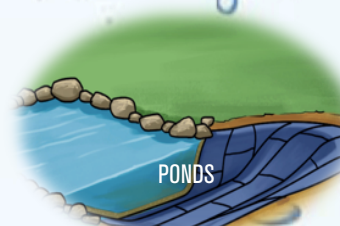
FOUNDATION



TUNNELS



GREEN ROOF



PONDS

## BENTONITE PROPERTIES

**Swell Index**

ASTM D 5890 (0,5M CaCl<sub>2</sub>)

**Fluid Loss**

ASTM D 5891 (0,5M CaCl<sub>2</sub>)

> 24 ml/2g

< 18 ml

## MEMBRANE PROPERTIES

**PE Film Layer**

ASTM D 5199

> 0,1 mm

## DIMENSIONS

**Roll sizes**

2,50m x 40m – 550 kg

1,66m x 40m – 365 kg