

WYKAMOL BENTONITE

TYPE A BARRIER

A high performance sodium bentonite geotextile



Wykamol Bentonite is a high performance sodium bentonite system.

Our high swelling, low permeability sodium bentonite that is fully encapsulated between a non-woven and woven geotextile, providing a robust and secure method of waterproofing.

APPLICATIONS

Wykamol Bentonite complies to BS8102 grades. Applications range from:

- Basements
- Lift pits
- Swimming pools
- Tunnels (cut and cover)
- Tanks
- Spray applied concrete



ANCILLARIES

- **Wykamol Bentonite Granules**
- **Wykamol Seal**
- **Wykamol Bentonite Fixings**

AVAILABLE SIZES

1.1m x 5m rolls

TECHNICAL DATASHEET

BENEFITS

- Fleece backed membrane that fully bonds to fresh concrete.
- Self healing and easily repaired if damaged.
- Easy to install
- Also acts as a post applied membrane system prior to backfilling (please consult with Wykamol technical team prior to application).
- Can be installed in all weather conditions.
- **Wykamol Bentonite** can swell up to 15 times its dry volume.
- BBA accredited system

LIMITATIONS

- **Wykamol Bentonite** must be fully confined and covered to stop product from free swelling and degrading. Maximum performance is achieved when fully compressed by the structure and/or backfill.
- Must not be installed on live (running), standing water (ponding water) or ice.
- Where ground water contains strong acids, alkalis, salt or contamination, consult our technical department for advice.
- Must not be used in movement joints. For movement joints please contact technical team at Wykamol for more information.

TECHNICAL DATA

Material Properties	Test Method	Nominal Value
Bentonite		
Bentonite Free Swell	ASTM D 5890	≥24ml/2g
Bentonite Fluid Loss	ASTM D 5891	18ml max
Bentonite mass/unit area	EN 14196	4.8kg/m ²
Membrane Composite		
Hydrostatic Pressure Resistance	ASTM D 5385 (mod)	70m
Peel Adhesion to Concrete	ASTM D 903 (mod)	2.6kN/m min
Hydraulic Conductivity	ASTM D 5084	1.0 x 10 ⁻⁹ am/s
Tensile Strength (MD/CD)	EN ISO 10319	8.0kN/m/8.0kN/m
Thickness @ 2 kPa	EN ISO 9863-1	7.0mm (typical)
Puncture Resistance	EN ISO 12236	1.5kN
Low Temperature Flexibility	ASTM D 1970	unaffected @-32°C

Boran Court, Network 65 Business Park, Hapton,
Burnley Lancashire BB11 5TH
t: +44 (0)1282 473 100 e: info@wykamol.com
www.wykamol.com

Unit 3-5 Crayford Commercial Centre,
Greyhound Way, Kent, DA1 4HF
t: +44 (0)1322 318 830 e: info@tritonsystems.co.uk
www.tritonsystems.co.uk

The information in this technical datasheet is given in good faith and was correct at the time of publication, but does not purport to be all inclusive. We reserve the right to update this information at any time without prior notice. All data is obtained through extensive testing in stringent laboratory conditions, however as we have no control over site conditions or work executed we accept no liability for incidental and/or consequential property damage arising out of the use of this product. The Wykamol Group's standard terms and conditions of sale apply.