

# HYDRO-ULTRA MAT B



## PRODUCT DESCRIPTION

**HYDRO-ULTRA Mat B** is a non woven and woven polypropylene mat filled with sodium bentonite granules encapsulated within the polypropylene geotextile.

**HYDRO-ULTRA Mat B** can be used in blindside and positive side below grade applications. The needle punch process locks in the sodium bentonite and maintains it within the geotextile mat. Once hydrated by water it swells to form an impervious membrane. It can be used on cut and cover tunnels, under matt slabs, shored walls and on backfilled walls. Additionally it can also be used as a single waterproofing layer in below grade waterproofing applications.

## PHYSICAL PROPERTIES

<u>Description</u>	<u>Test Method</u>	<u>Results</u>
Bentonite Mass	ASTM D5993	1.024 lb/sf
Tensile Strength	ASTM D6768	68.5 lbs/in
Swell Index	ASTM D5890	2 gal / 24ml
Hydrostatic Head Pressure	ASTM D751	228 ft
Fluid Loss	ASTM D5891	18 ml / max
Permeability	ASTM D5084	1x10 <sup>-10</sup> m/s
Thickness	ASTM D751	0.26" / 6.5 mm

## PACKAGING

<u>Roll Dimensions</u>	<u>Width</u>	<u>Length</u>
Standard:	6.56'	98.43'

Note: Special size rolls are available. Contact manufacturer for other size rolls.

## INSTALLATION

**HYDRO-ULTRA Mat B** is installed in a multitude of fashions. In cut and cover applications the **HYDRO-ULTRA Mat B** is installed to the positive side of the substrate. In negative side applications such as shored wall conditions, under slab foundations the **HYDRO-ULTRA Mat B** is installed to the substrate such as wood lagged shoring, shotcrete shoring and other types of earth retention systems. Contact manufacturer for specific instructions.

## AVAILABILITY

**HYDRO-ULTRA Mat B** is available from the manufacturer, vendors, or factory trained contractors.

## WARRANTY

Warranties are available upon successful installation and range in coverage. Contact the manufacturer for further information concerning warranties.

The information, data and suggestions contained herein are believed to be reliable, based upon our knowledge and experience. For the most up to date information, please visit [www.hydro-gard.com](http://www.hydro-gard.com). HYDRO-GARD accepts no responsibility for the results obtained through application of this product. HYDRO-GARD reserves the right to update information without notice.

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