

HYDRO-PRUFE® HWS

HYBRID WATERPROOFING SYSTEM



PRODUCT DESCRIPTION

HYDRO-PRUFE® HWS is the installation of Hydro-Prufe 80 Mil PVC Thermoplastic sheet membrane and Hydro-Ultra Mat B series (bentonite) geotextile membrane together in the same application. The system can be utilized for the most demanding waterproofing applications for tank interiors, tunnels, cut and cover structures, shoring systems, foundation walls, and under slab on-grade conditions. This system is primarily used in high water table applications.

PHYSICAL PROPERTIES

Hydro-Prufe 80 Mil®:

Description	Test Method	Results
Tensile Strength	ASTM D638	1500 psi
Elongation	ASTM D638	400 %
Tear Resistance	ASTM D1004	10
Laminated Bond ST.	ASTM D413	24
Low Temp Bend	ASTM D2136	-40
Heat Aging	ASTM D4434	90
Water Absorption	ASTM D570	3.0
Flammability	ASTM D568	SE
Seam Strength	ASTM D751	75% of tensile strength
Dimensional Stability	ASTM D1204	0.01
Accelerated Weathering	ASTM D4434	No cracking
Hydrostatic Pressure Resistance	ASTM D751	241 psi
Thickness	ASTM D751	.080" / 2.0mm

Hydro-Ultra Mat B Series:

Description	Test Method	Results
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 ⁻¹⁰ / m/s
Thickness	ASTM D751	0.26" / 6.5 mm

PRODUCT DATA

Hydro-Prufe 80 Mil®:

Thickness	Roll/Width	Roll/Length
80 Mil	81"	65'

Hydro-Ultra Mat B Series:

Roll Dimensions	Width	Length
Standard:	6.56'	98.43'

PACKAGING

Hydro-Prufe 80 Mil®:

Hydro-Prufe rolls are packaged on pallets with 9 rolls per pallet.

Hydro-Ultra Mat B Series:

Ultra Mat B Rolls are packaged on pallets with 3 rolls per pallet.

INSTALLATION

Installation shall be by factory trained contractors who have passed the installation guidelines set forth by the manufacturer. And who have passed the manufacturers rigid qualification requirements. For Hydro-Gard installation configuration and guidelines for your specific waterproofing condition and needs, contact **Hydro-Gard**.

AVAILABILITY

HYDRO-PRUFE® HWS 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.

MAINTENANCE

HYDRO-PRUFE® HWS systems require no maintenance. Although the systems are subject to damage it is recommended that the specifier contact the manufacturer to ensure that the system is approved for use by the manufacturer.

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. HYDRO-GARD accepts no responsibility for the results obtained through application of this product. HYDRO-GARD reserves the right to update information without notice.