



**30-Year  
Warranty  
with  
WARM-N-DRI®  
Foundation Board  
or  
TUFF-N-DRI  
Barrier Board!**

**TUFF-N-DRI® XTS**



**TUFF-N-DRI XTS SYSTEM APPLICATION**

**TUFF-N-DRI XTS--the best waterproofing brand  
in the business is even better!**

**12 Feet of  
Hydrostatic  
Head  
Resistance!**

**Delivering even better protection against moisture.**

TUFF-N-DRI XTS is the highest performing extension of the most recognized waterproofing brand in the residential new construction market, *with 12 feet of hydrostatic head pressure resistance!*

**Greatest resistance to hydrostatic head pressure.**

TUFF-N-DRI XTS is performance-engineered and field-tested to provide the greatest resistance to hydrostatic head pressure of any polymer-modified asphalt emulsion waterproofing membrane in the category. Now, TUFF-N-DRI XTS is designed to withstand 12 feet of hydrostatic head pressure, while maintaining its ease of use, consistency of manufacture and long-term durability characteristics.

**Backed by a tough 30-year warranty.**

With a 30-year transferable performance warranty, TUFF-N-DRI XTS delivers guaranteed dry basements, increasing the comfort and utility of your lower-level living space.

**Insulate, drain and protect your foundation.**

Complete your foundation protection by adding one of our exceptionally-performing fiberglass foundation boards. Choose either the WARM-N-DRI Foundation Board or TUFF-N-DRI Barrier Board to insulate, drain and protect the foundation wall.

**Availability and cost.**

TUFF-N-DRI XTS is competitively priced and available through your local Barrier Solutions Contractor. For details, contact your local Barrier Solutions Contractor, call 800-DRY-BSMT or visit TUFF-N-DRI.com.

**TUFF-N-DRI XTS  
Up to  
12 times more  
hydrostatic head  
resistance than  
the competition!**

**PERFORMANCE  
UNDER PRESSURE**

Your local Barrier Solutions Contractor.



## Membrane Properties

<b>Hydrostatic Head Resistance</b>	<b>Results:</b> 12 ft.	<b>Method:</b> ASTM D-5385
Type	Polymer-enhanced asphalt liquid-applied membrane	
Color	Black	
Solids	64% ± 3% (percent by weight)	
Density	8.1 ± .15 lbs/gal	
Application	Airless spray	
Application Temperature	Minimum 20°F	
Application Thickness	60 mils (wet) <sup>1</sup>	
Typical Cure Time	16–24 hrs (under normal conditions)	
Adhesion to Concrete (Peel, N/m)	<b>Results:</b> Exceeds	<b>Method:</b> ASTM C-836
Elongation	<b>Results:</b> >1800%	<b>Method:</b> ASTM D-412
Crack Bridging Ability	<b>Results:</b> Passes	<b>Method:</b> ASTM D-836
Water Vapor Permeance	<b>Results:</b> <1 perm for 40-mil dry coating (grains/sf/hr)	<b>Method:</b> ASTM E-96 Wet Method
Tensile Strength	<b>Results:</b> 70 PSI	<b>Methods:</b> ASTM D-412
Resistance to Degradation in Soil	<b>Results:</b> Good	<b>Method:</b> ASTM E-154
Mold Growth & Bacterial Attack	<b>Results:</b> No degradation	<b>Method:</b> ASTM D-3273 ASTM D-3274

<sup>1</sup> Measured in-place with an ASTM D-4414 notch film gauge. Wet film measuring 60 mils cures to 40 dry mils.

## Board Properties

Type	WARM-N-DRI Foundation Board					TUFF-N-DRI Barrier Board			
	4' x 4'		4' x 8'			4' x 4'		4' x 8'	
Board Size	4' x 4'		4' x 8'			4' x 4'		4' x 8'	
Board Thickness	3/4"	1 3/16"	2 1/8"	2 3/8"	3 1/2"	3/4"	1 3/16"	2 1/8"	2 3/8"
Drainage Ability [Gals/Hr./lineal Foot] <sup>2</sup>	>70	>110	>170	>210	>290	>50	>80	>130	>160
Thermal Resistance	R-3	R-5	R-8	R-10	R-15	R-3 <sup>3</sup>	R-5 <sup>3</sup>	R-8 <sup>3</sup>	R-10 <sup>3</sup>

<sup>2</sup> Hydraulic gradient of 1.0. Drainage rates with 10% board compression. At 65% compression, foundation board has the drainage capabilities of coarse sand.

<sup>3</sup> As manufactured resistance values (R-value)

For more details on  
**TUFF-N-DRI XTS**,  
contact your local  
Barrier Solutions  
Contractor, call  
**800-DRY-BSMT** or  
visit our Web site at  
**TUFF-N-DRI.com**.

