

TUFF-N-DRI H8

WITH **8 FEET** OF
HYDROSTATIC HEAD
RESISTANCE!

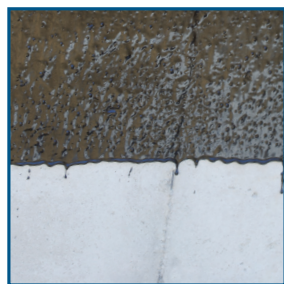


TUFF-N-DRI® H8 waterproofing membrane provides a revolutionary level of protection against foundation wall leaks and seepage.

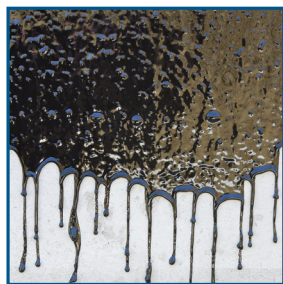
But what makes a waterproofing membrane most effective?

1 Hang Strength

Enables Consistent Cured Membrane Thickness of 40 Mils



TUFF-N-DRI H8 hangs tough!



Competitive product slides away!

TUFF-N-DRI H8 (left) and a competing asphalt emulsion waterproofing product (right) were sprayed on the same foundation wall to a thickness of about 60 mils wet. After 10 minutes, TUFF-N-DRI H8 stayed in place, while the competitor ran down the wall.

The superior hang strength of TUFF-N-DRI H8 enables it to maintain a consistent thickness for maximum performance when it cures to 40 mils.

With little hang strength, the sagging competitor can't deliver the minimum code-required 40 mils of cured membrane. Equally important, that thin membrane cannot deliver any of their minimal published performance specifications.

2 Crack Bridging

Waterproofing Must Resist Hydrostatic Pressure Even When Spanning Cracks in the Foundation Wall

TUFF-N-DRI H8 (tube on left) and a competing waterproofing membrane (tube on right) were applied to identical sets of concrete blocks, then separated by 1/16" to simulate a typical shrinkage crack. A 12" column of water was then placed on the portion of membrane spanning the crack to create hydrostatic head. The competitive product failed at 1 foot of hydrostatic head in less than 10 minutes, while TUFF-N-DRI H8 remained leak-free, even with 8 feet of hydrostatic head.



Membrane elongates to span a shrinkage crack, and effectively resists hydrostatic pressure.



TUFF-N-DRI H8
No Leaks!

Competitive Product
Leaks at less than 12" HH.

3 Membrane Thickness = Performance

Proper Membrane Thickness Delivers Reliable Hydrostatic Head Resistance

At 40 mils, TUFF-N-DRI H8 delivers a remarkable 8 feet of hydrostatic head resistance. Competitors provide as little as 12" of hydrostatic resistance, even at 40-mil cured thickness. But with low hang strength, competitors may easily run down the wall and provide less than 40-mil thickness, leaving major portions of the wall unprotected.

Thickness (cured mils)	Hydrostatic Resistance (inches)		Performance Factor
	TUFF-N-DRI H8	Competitor	
40mils	96"	12"	8x
35mils	76.8"	9.6"	
30mils	57.6"	7.2"	

Hydrostatic resistance, as well as other published performance specifications, decline significantly with reduced membrane thickness.



TUFF-N-DRI offers a reliable system to control moisture, including water under hydrostatic pressure:

- A** TUFF-N-DRI H8 membrane is spray-applied to a consistent cured thickness of 40 mils for 8 feet of hydrostatic head resistance.
- B** WARM-N-DRI® Foundation Board or TUFF-N-DRI Barrier Board protects the membrane, assists drainage, and insulates basement walls to reduce interior condensation.
- C** Shown with optional DrainStar® Stripdrain, a cost-effective alternative to drain tile and gravel.

**PERFORMANCE
UNDER PRESSURE**



Specifications



Membrane Properties

Resistance to Hydrostatic Head	Results: 8' of water	Method: ASTM D-5385
Type	Polymer-enhanced asphalt liquid-applied membrane	
Color	Black	
Solids	64% ± 3% [percent by weight]	
Density	8.2 ± .15 lbs/gal	
Application	Airless spray	
Application Temperature	Minimum 20°F	
Application Thickness	60 mils (wet) ¹	
Typical Cure Time	16-24 hrs [under normal conditions]	
Crack Bridging Ability	Results: Passes	Method: ICC-ES AC29, Sec 3.1
Water Vapor Permeance	Results: <1 perm for 40-mil dry coating (grains/sf/hr)	Method: ASTM E-96 Wet Method
Elongation	Results: >2000%	Method: ASTM D-412
Adhesion to Concrete	Results: Exceeds	Method: ASTM C-836
Resistance to Degradation in Soil	Results: Good	Method: ASTM E-154
Mold Growth and Bacterial Attack	Results: No degradation	Method: ASTM D-3273, ASTM D-3274

¹ Measured in-place with ASTM D-4414 notch film gauge. Wet 60 mils on notch film gauge. Membrane cures [dries] to 40 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] ²	>70	>110	>170	>210	>290	>50	>80	>130	>160
Thermal Resistance	R-3	R-5	R-8	R-10	R-15	R-3 ³	R-5 ³	R-8 ³	R-10 ³

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

³ As manufactured resistance values (R-value)



*For complete warranty details, visit TUFF-N-DRI.com
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TUFF-N-DRI H8 Membrane



Competitive Membrane

With 8 feet of hydrostatic head resistance, TUFF-N-DRI® H8 delivers water-proofing protection that reaches the full height of a foundation wall. But competitive products can fail if heavy rains, a failed drainage system or sump pump, excessive winter melting or slow-draining soils produce as little as 12" of hydrostatic pressure.

PERFORMANCE UNDER PRESSURE

For more details on **TUFF-N-DRI H8**, contact your local Barrier Solutions Contractor, call **800-DRY-BSMT** or visit **TUFF-N-DRI.com**

Your Local Barrier Solutions Contractor

