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# WATERPROOFING SYSTEM



## Our Twenty Year Dry Basement Guarantee

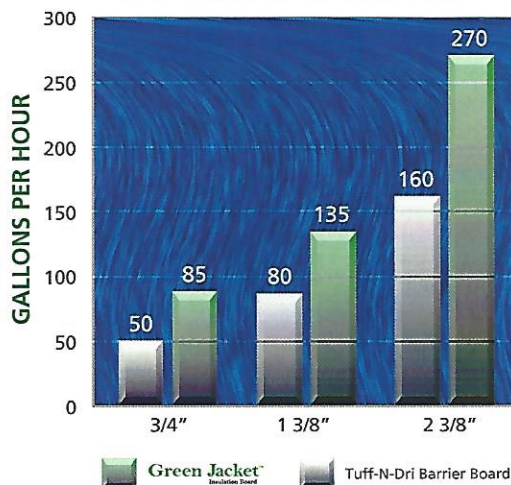
is backed by Old Castle Materials Inc, leader in construction materials. Houseguard® has been providing waterproofing product since 1995 through a network of certified applicators.



- **Green Jacket™ has 59.2% greater drainage capacity** than the leading fiberglass drainage board does to move water away from the foundation walls.
- **Green Jacket™ is durable- hard wearing.** backfill procedures damage most foundation drainage boards through heavy stress of dirt and abrasive rock shooters. The primary purpose of a protection board is to protect the waterproofing membrane layer and to provide a medium of drainage for water to the footer drain system. The gravel shoot test was performed to show that there is a substantial difference between Green Jacket™ made of (polyester fibers) and fiberglass ridged board used for waterproofing protection. Both fiberglass products of different manufactures were badly damaged to the point of breaking through and the Green Jacket™ withstood the abrasive rocks with only a depression in the material, but no tears or damage to the board. View the actual test online at [www.houseguard.com](http://www.houseguard.com).
- **Green Jacket™ is a 'Green' product with 70% post-industrial recycled raw materials,** ie. Drink bottles, synthetic carpets, and packaging materials. This product can be 100% recycled back into synthetic fibers.
- **Green Jacket™ is safe for basement insulation:** Molds and mildews need organic materials such as fiberglass, wood, and dry wall to grow, Green Jacket™ made of P.E.T is not organic material therefore not a food source and does not support mold growth. It also does not absorb liquids or moisture or give off formaldehyde vapors into the living environment making your living space a safe place for your family.
- **Green Jacket™ is user friendly and safe:** Workers installing fiberglass must wear mask to protect their lungs from breathing in tiny glass like fibers that break off during installation. The synthetic fiber used for Green Jacket™ does not break off and become airborne, because they are heat bonded together making it safe for workers.
- **Green Jacket™ is a Polyester Synthetic Fiber Product and Resistant to UV Rays!** Builders can keep foundations open and exposed to UV rays up to 30 days during construction. This causes breakdown in fiberglass boards which results in it being less durable and unable to withstand backfill abuse. It also reduces drainage and insulation values.
- **Green Jacket™ offers R-Values (R-3, R-5, R-10) C-516 ASTM.**

Hydraulic Transmissivity ASTM D-4716

### DRAINAGE FLOW RATE



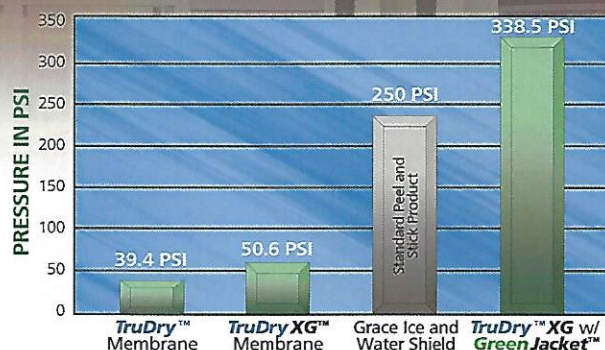
Contact us at 1.800.560.5701 or visit us online at [www.houseguard.com](http://www.houseguard.com)



# What happens when a polyester fiber board embeds and interlocks into a strong waterproofing membrane on a foundation wall?

## You get a waterproofing membrane that is 859.13% stronger than before!

When a tough polymer membrane and strong polyester fiber mat combine together, it produces a much better performance than each separately can do alone, this is SYNERGY. TruDry™ and Green Jacket™ were tested by 3rd party lab for tensile strength using ASTM D-412 method. Tensile strength of TruDry™ was 39.4 psi and TruDry™ impregnated into GJ fibers was 338.5psi. What we learned, is the Green Jacket™ fibers improved the strength of the TruDry™ waterproofing membrane by 859%. In comparison, Grace Ice & Water Shield is 250psi. This changes everything!



## Specifications

### Membrane Properties

#### Laboratory Data

Flash Point, COC, °F	No Flash*
Density, Weight/Gallon @77°F(25°C)	8.45 +/-0.2 lbs./gal
Required Dry Film Thickness	40 mils 60 mils wet
Theoretical Coverage @ Recommended Dry Film	25 sq.ft./gal.
Non-Volatile % by Weight, Minimum	65.0 +/-5.0%
Volatile Organic Content (VOC)	<0.2 lbs./gal
Approximate Dry Time to Touch @77°F(25°C)	60-90 minutes
Cure Time, 77°F, 50% RH	24 hours

#### Cured Film Properties

Resistance to Water (ASTM-D2939)	No Blistering or Re-emulsification
Tensile Strength (ASTM D412)	>39.4 psi
Elongation (ASTM D412)	>933.7%
Adhesion to Damp Surfaces (ASTM 3409)	Readily displaces or mixes with water. Can be applied to damp surfaces.
Adhesion in Peel (ASTM C 794)	
-poured concrete	2.094 lbf/in
-masonry	2.096 lbf/in

Low Temperature Flexibility and Crack Bridging (ASTM C836, Sec. 6.7)

#### Typical Properties

ENGLISH	METRIC
No Flash*	No Flash*
8.45 +/-0.2 lbs./gal	1012 grams/L
40 mils 60 mils wet	1016 microns
25 sq.ft./gal.	0.58 sq. meters/L
65.0 +/-5.0%	
<0.2 lbs./gal	<60 grams/L

#### Result

No Blistering or Re-emulsification  
>39.4 psi  
>933.7%  
Readily displaces or mixes with water. Can be applied to damp surfaces.

Water Vapor Permeance

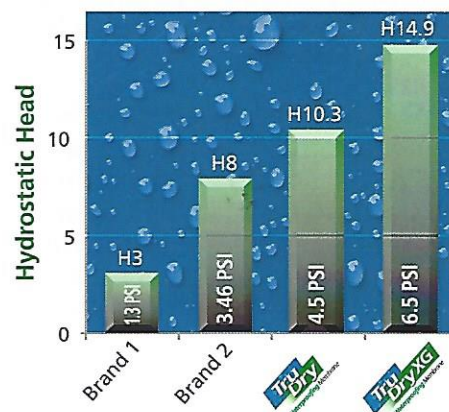
(ASTM E96 Water Method) 0.09 perms

Hydrostatic Pressure Resistance (ASTM C1306) >4.5 psi

### Board Properties

Type	Green Jacket™ foundation insulation – drainage board		
Board Size	3' x 4'	and	4' x 7'
Board Thickness	3/4"	1 3/8"	2 3/8"
Drainage Flow Rate	85	135	270
Gal/Hr/Lineal Foot	ASTM D 4716		
Testing by GeoTesting Express			
Thermal Resistance	R-3	R-5	R-10

## HYDROSTATIC RESISTANCE D-5385 Test Method



Hydrostatic head limits over a 1/16" inch crack



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