



CONSTRUCTION MATERIALS

TECHNOLOGIES

LABORATORY TEST RESULTS

Report for: GCP Applied Technologies
62 Whittemore Avenue
Cambridge, MA 02140

Attention: Mr. Greg Austin

Product Name(s): Preprufe 250	Manufacturers: GCP Applied Technologies
Date(s) Received: Aug. 24, 2017	Sampling: GCP Applied Technologies
PRI-CMT Project No.: WRG-138-02-01	Dates Tested: Sep. 18, 2017

Subject: Determine the puncture resistance of the named product in accordance **ASTM E 154 Standard Specification for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover**, Section 10 *Resistance to Puncture*.

Test Methods: Testing was conducted in accordance with ASTM E 154 *Standard Specification for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover*, Section 10 *Resistance to Puncture*. Specimens were mounted according to Figure 1 in the standard. Specimens were tested by penetrating the center of the specimen with a 1" steel cylinder having a slightly rounded end surface at a rate 0.25"/min. Testing was conducted at 72 to 75°F with the maximum load reported.

Product Sampling: Product samples were provided by GCP Applied Technologies.

WRG-138-02-01C

PRI-CMT Accreditations: AAMA; IAS; Miami-Dade; Florida; Los Angeles; CRRC; UL

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Results:

Table 1. ASTM E 154 Puncture Resistance

Property	Test Method	Results					Requirement
		1	2	3	Avg.	St. Dev.	
Puncture Resistance 10" square specimens; Cond. 24h @ 73.4±3.6°F & 50±5%RH ; Test Speed 0.25"/min; Test Condition 72-75°F;	ASTM E 154						
	SI Units	747 N	743 N	689 N	730 N	31 N	Report.
	Imperial Units	168 lbf	167 lbf	155 lbf	164 lbf	7 lbf	Report.

Statement of Attestation:

The results of testing were determined in accordance with ASTM E 154 *Standard Specification for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover, Section 10 Resistance to Puncture*

Signed: 
 Zachary Priest, P.E.
 Director

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	10/03/2017	2	NA

END OF REPORT