



# **CONSTRUCTION MATERIALS**

## **TECHNOLOGIES**

### **LABORATORY TEST RESULTS**

**Report for:** SAFEGUARD 30  
3400 SW 209<sup>th</sup>  
Beaverton, OR 97007

**Attention:** Rufus Aylwin

<b>Product ID(s):</b> SafeGuard 30	<b>Manufacturer:</b> SAFEGUARD 30
<b>Date(s) Received:</b> May 12, 2015	<b>Source:</b> SAFEGUARD 30
<b>PRI-CMT Project No.:</b> SFGD-001-02-02	<b>Date(s) Tested:</b> Jul. 1, 2015 – Jul. 16, 2015

**Purpose:** Evaluate *SafeGuard 30* for conformance to the Type 3 physical requirements prescribed in **CSA A123.3: Asphalt Saturated Organic Roofing Felt**. Mass Requirements were not evaluated.

*SafeGuard 30* is not an asphalt-saturated organic felt; product is a hybrid asphaltic polymer and synthetic fabrics.

**Test Methods:** Testing was completed as described for physical requirements (Table 1) in CSA A123.3-05: *Asphalt Saturated Organic Roofing Felt*. Test methods assigned or referenced include ASTM D 146: *Standard Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing*; ASTM D 226: *Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing*; and ASTM D 4869: *Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing*.

**Sampling:** The sample received was a partial roll.

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**Results of Testing:**

Property	Test Method	Result	Requirement		
			Type 1	Type 2	Type 3
<b>Physical Requirements</b>					
Tolerance of Stated Width Dimension (%)		NT	± 0.5	± 0.5	± 0.5
Tolerance of Stated Width Dimension (%)		NT	± 0.5	± 0.5	± 0.5
Loss on Heating (weight %) 2 specimens; 12in x 6in x thickness; Test Cond. 221±5°F for 5h±3min	ASTM D 146	1	≤ 4	≤ 4	≤ 4
Saturation Percentage (% by mass)		NA	≥ 120	≥ 100	≥ 150
Saturation Efficiency (%)		NA	≥ 70	≥ 70	≥ 70
Pliability [Pass/Fail] 10 specimens; 2in x 12in x thickness; Cond. 10-15min in water @ 50±1.8°F; Test 90° around ½-in radius in 2s	ASTM D 146 / CSA A123.3		½-in radius	½-in radius	¾-in radius
Longitudinal (with fiber grain)		Pass	Pass (No Cracking)		
Transverse (across fiber grain)		Pass	Pass (No Cracking)		
Breaking Strength (lbf/in-width) 20 specimens; 1in x 6in x thickness; Cond. 2h @ 73.4±3.6°F & 50±5%RH; Test @ 73.4±3.6°F; Rate=2in/min	ASTM D 146				
Longitudinal (with fiber grain)		87	≥ 30	≥ 30	≥ 40
Transverse (across fiber grain)		120	≥ 15	≥ 15	≥ 20
Perforated Felt	ASTM D 226				
Number of Holes per ft <sup>2</sup> [number]		NA	111	NA	NA
Openness of Holes (%)		NA	30	NA	NA
Liquid Water Transmission [Pass/Fail] 2 specimens; 15in x 30in; Cond. 24h @ 70-80°F & 30-55%RH; Test @ 14° with 40-42gal/h for 4h	ASTM D 4869	Pass	NA	Pass (min 4 of 5)	Pass (min 4 of 5)

Note(s): NA- indicates Not Applicable  
 NT- indicates Not Tested

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**Statement of Attestation:** The product tested passes the Type 2 physical requirements prescribed in **CSA A123.3: Asphalt Saturated Organic Roofing Felt**. Mass Requirements were not evaluated.

*SafeGuard 30* is not an asphalt-saturated organic felt; product is a hybrid asphaltic polymer and synthetic fabrics.

Signed: \_\_\_\_\_

  
Brad Grzybowski  
Managing Director

Date: \_\_\_\_\_

08/25/2015

**Report Issue History:**

Issue #	Date	Pages	Revision Description (if applicable)
Original	08/25/2015	3	NA

**END OF REPORT**

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