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**EVALUATION CENTER**

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**RENDERED TO**

**GT Industrial Products Company**  
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**PRODUCT EVALUATED**  
GMX-145 Roofing Underlayment

**EVALUATION PROPERTY**  
Physical Properties

**Report of Testing GMX-145 Roofing Underlayment for compliance with the applicable requirements of the following criteria: ICC-ES AC207, Acceptance Criteria for Polypropylene Roof Underlayments, Approved February 2012**

**TEST REPORT**

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## 5 Testing and Evaluation Results

### 5.1. RESULTS AND OBSERVATIONS

The product test results, together with the applicable requirements are shown in Tables below. A full set of test results is included in Appendix A.

Table 1. AC207 Physical Properties			
Property	Test Result	Requirement	Verdict
Unroll-ability <ul style="list-style-type: none"> <li>At 50°F (10°C )</li> <li>At 40°F (60°C)</li> </ul>	No cracking No cracking	No cracking No cracking	Pass Pass
Water Vapor Transmission, perms	0.05 (Water Method) 0.05 (Desiccant Method)	As Reported	NA
Pliability <ul style="list-style-type: none"> <li>Longitudinal</li> <li>Transverse</li> </ul>	No cracking or delamination No cracking or delamination	No cracking or delamination	Pass Pass
Liquid Water Transmission	No wetness	No wetness	Pass
Fastener Pull-Through Resistance, lbf No.12 gage Flooring Nails <ul style="list-style-type: none"> <li>As Received</li> <li>Accelerated-Aging</li> <li>Ultraviolet-Light</li> </ul>	33 33 32	$\geq 25$ $\geq 25$ $\geq 25$	Pass Pass Pass
No.16 gage Staple, lbf <ul style="list-style-type: none"> <li>As Received</li> <li>Accelerated-Aging</li> <li>Ultraviolet-Light</li> </ul>	24 23 23	$\geq 17$ $\geq 17$ $\geq 17$	Pass Pass Pass
Tear Resistance <sup>1</sup> , gf As Received <ul style="list-style-type: none"> <li>Longitudinal</li> <li>Transverse</li> </ul>	>3200 >3200	$\geq 2560$ $\geq 2560$	Pass Pass
After Accelerated Aging <ul style="list-style-type: none"> <li>Longitudinal</li> <li>Transverse</li> </ul>	>3200 >3200	$\geq 2560$ $\geq 2560$	Pass Pass
After Ultraviolet Aging <ul style="list-style-type: none"> <li>Longitudinal</li> <li>Transverse</li> </ul>	>3200 >3200	$\geq 2560$ $\geq 2560$	Pass Pass
Accelerated Aging	No visible damage	No visible damage	Pass
Ultraviolet Resistance	No visible damage	No visible damage	Pass

<b>Table 2. AC188 Physical Properties</b>			
<b>Property</b>	<b>Test Result</b>	<b>Requirement</b>	<b>Verdict</b>
Tensile strength, lbf/in. As Received			
• Longitudinal	109	≥ 25	Pass
• Transverse	90	≥ 25	Pass
After Accelerated Aging			
• Longitudinal	106	≥ 25	Pass
• Transverse	94	≥ 25	Pass
After Ultraviolet Aging			
• Longitudinal	103	≥ 25	Pass
• Transverse	91	≥ 25	Pass

Note:

1. The tear resistance was conducted by Intertek Testing Services NA. Ltd, Coquitlam lab.

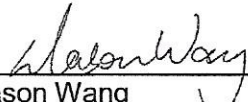
## 6 Conclusion

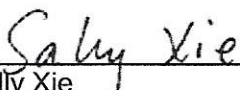
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The GMX-145 Roofing Underlayment product identified and evaluated in this report has met the requirements contained in ICC-ES AC207, Acceptance Criteria for Polypropylene Roof Underlayments, Approved February 2012. The product test results are presented in Section 5 of this report.

The conclusions of this test report may be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

### INTERTEK

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