**DESCRIPTION**

*Autotex XE* has been developed for applications such as instrument, fascia and membrane switch panels and durable labels that are used where high or widely fluctuating temperatures, excessive humidity and strong levels of ultraviolet light are encountered.

*Autotex XE* is available in sheets and rolls.

**PRODUCT RANGE**

<table>
<thead>
<tr>
<th>Products</th>
<th>Finish</th>
<th>Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Autotex XE</strong> with 0-series ink primer for solvent based screen printing inks</td>
<td>Fine</td>
<td>XE F150, XE F200</td>
</tr>
<tr>
<td></td>
<td>Velvet</td>
<td>XE V150, XE V200</td>
</tr>
<tr>
<td><strong>Autotex XE</strong> with 7-series ink primer for UV screen printing inks and solvent based screen printing inks</td>
<td>Fine</td>
<td>XE V157, XE V207</td>
</tr>
<tr>
<td></td>
<td>Velvet</td>
<td>XE V157, XE V207</td>
</tr>
</tbody>
</table>

**PRIMER**

*Autotex XE* has an ink adhesion primer on the second surface. Two versions are available:

The standard or 0-series primer is for solvent based screen printing inks. The primer has also been used successfully with some digital UV inkjet printers. Please contact MacDermid Enthon Industrial Solutions for more information.

The 7-series primer offers excellent adhesion to a wide range of solvent based screen printing inks and UV screen printing inks.
Windotex is not a UV resistant product and is therefore not recommended for prolonged use outdoors. Due to the stabilising chemistry used in Autotex XE, the adhesion of Windotex to the surface may be impaired. Contact MacDermid Enthone Industrial Solutions for further information.

### TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haze&lt;sup&gt;1&lt;/sup&gt; Fine Velvet</td>
<td>58% ± 5% 71% ± 5%</td>
<td>ASTM D1003</td>
</tr>
<tr>
<td>Total luminous transmission&lt;sup&gt;1&lt;/sup&gt;</td>
<td>92% ± 2%</td>
<td>ASTM D1003</td>
</tr>
<tr>
<td>Gloss level (60°)&lt;sup&gt;1&lt;/sup&gt; Fine Velvet</td>
<td>7 ± 1.5 GU 4.5 ± 1 GU</td>
<td>ASTM D2457 (modified to test method 022)</td>
</tr>
<tr>
<td>Yellowness index&lt;sup&gt;3&lt;/sup&gt;</td>
<td>&lt; 5</td>
<td>ASTM E313</td>
</tr>
<tr>
<td>Hardcoat adhesion&lt;sup&gt;3&lt;/sup&gt;</td>
<td>Pass</td>
<td>Test method 080</td>
</tr>
<tr>
<td>Switch life&lt;sup&gt;1&lt;/sup&gt;</td>
<td>&gt; 5 million actuations</td>
<td>Test method 003</td>
</tr>
<tr>
<td>Tensile strength at break&lt;sup&gt;2&lt;/sup&gt;</td>
<td>172-190 N/ mm&lt;sup&gt;2&lt;/sup&gt;</td>
<td>ASTM D882</td>
</tr>
<tr>
<td>Breakdown voltage&lt;sup&gt;2&lt;/sup&gt;</td>
<td>16 - 18 kV 18 - 20 kV</td>
<td>ASTM D149</td>
</tr>
<tr>
<td>Dimensional stability&lt;sup&gt;3&lt;/sup&gt;</td>
<td>0.2% max shrinkage MD at 120 °C</td>
<td>Test method 094</td>
</tr>
<tr>
<td>Thickness all grades&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Nominal ± 10%</td>
<td>Test method 096</td>
</tr>
<tr>
<td>Maximum processing temperature</td>
<td>120 °C</td>
<td></td>
</tr>
<tr>
<td>Maximum use temperature&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Low humidity (&lt; 10% RH) 85 °C</td>
<td>Test method 012</td>
</tr>
<tr>
<td></td>
<td>High humidity (85% RH) 85 °C</td>
<td></td>
</tr>
<tr>
<td>Minimum use temperature&lt;sup&gt;1&lt;/sup&gt;</td>
<td>-40 °C (-40 °F)</td>
<td>Test method 012</td>
</tr>
<tr>
<td>Chemical resistance</td>
<td>Excellent resistance to many common industrial solvents and household chemicals - please see Autotex XE Solvent Resistance Data Sheet</td>
<td></td>
</tr>
<tr>
<td>Outdoor resistance</td>
<td>Please see Autotex XE Environmental Data Sheets</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup>For details of test method, please contact MacDermid Enthone Industrial Solutions
<sup>2</sup>Data derived from base film manufacturer’s literature.
<sup>3</sup>Specification value

The term polyester is the generic term for several different polymers, of which polyethylene terephthalate (PET) is the most common. PET is used in MacDermid Enthone Industrial Solutions polyester film products.
Note – Performance characteristics may be subject to change

SAFETY & WARNING
MacDermid Enthone Industrial Solutions recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. Safety Data Sheets are available from MacDermid Enthone Industrial Solutions.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Enthone Industrial Solutions for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact us: industrialfilms@macdermidenthone.com

<table>
<thead>
<tr>
<th>Americas</th>
<th>Europe &amp; rest of the world</th>
<th>Asia</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Grove Road, Wantage, Oxon OX12 7BZ, UK +44 (0) 1235 771111</td>
<td>26 Tuas West Road, Singapore 638382 +65 6862 3327</td>
</tr>
</tbody>
</table>

Website: industrial.macdermidenthone.com

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