

## Windotex

### Product data sheet

Windotex™ is designed for use with Autotex® to produce clear windows. This system affords the manufacturer a simple and cost effective way of producing high quality windows without the need for die-cutting or selective texturing.

#### PRODUCT DESCRIPTION

Windotex™ is a UV curable 100% solids screen printable window lacquer.

#### Product Range:

Windotex™ Gloss: >90% gloss level  
 Windotex™ Antiglare: 75-90% gloss level

Gloss levels measured with black print.

Windotex™ Gloss and Antiglare can be mixed to obtain a wide range of finishes between these two gloss levels (see Windotex Processing Recommendations).

#### PRODUCT APPLICATIONS

Windotex™ is designed to be screen printed onto areas of Autotex (see Autotex® Product Data Sheet) to produce transparent windows for LCD and LED type displays for use in membrane switches and fascia panels. 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 Autotype for further information.

#### CHEMICAL PROPERTIES

Property	Windotex	Test Method
Chemical Resistance	Resistant to: Alcohols Dilute Acids Dilute Alkalis Esters Hydrocarbons Ketones Household Cleaning Agents*	DIN 42 115

\* For more specific information, refer to Windotex Solvent Resistance Sheet



**OPTICAL PROPERTIES**

Property	Windotex	Test Method
Gardner haze	Gloss <8% Antiglare 10-30%	ASTM D1003-77 <sup>1</sup>
Gloss level (60°)	Gloss >90% Antiglare 75-90%	ASTM D2457-70 <sup>1</sup>
Total luminous transmission (TLT)	Gloss 91% ±2% Antiglare 91% ±2%	ASTM D1003-77 <sup>1</sup>
Yellowness index	Gloss <5 Antiglare <5	ASTM D1925-70

<sup>1</sup> Adapted to MacDermid Autotype Method, see Test Method Manual

**PHYSICAL PROPERTIES**

Property	Windotex	Test Method
Taber abrasion	Haze 11%	ASTM D1044-05 100 cycles, 500g load CS10F wheels
Adhesion to texture	100%	MacDermid Autotype method <sup>1</sup>
Density (uncured)	Gloss 1.1g/cm <sup>3</sup> Antiglare 1.2g/cm <sup>3</sup>	Gravimetric
Pencil hardness	F	MacDermid Autotype method <sup>1</sup>

<sup>1</sup> See Test Method Manual

**HEALTH & SAFETY**

This product does NOT contain the monomer N-Vinyl Pyrrolidone (NVP). The product contains acrylate oligomers which may be irritating to skin and mucous membrane. Repeated skin contact may cause sensitisation. Suitable precautions for personal protection and ventilation must be taken. Refer to Material Safety Data Sheet.

Full health and safety information together with a description of operating hazards are given in the Windotex™ Processing and Safety Recommendations document. This must be referred to before any attempt is made to use the product.

**IMDS ID-No's**

Windotex Gloss 14757922

Windotex Antiglare 14798668

**LEGISLATIVE DIRECTIVES**

This product does not knowingly contain any phthalates, or substances listed in the European End-of-Life Vehicles (ELV), Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS) or Waste Electrical and Electronic Equipment (WEEE) Directives.



EC Regulation 594/91 classifies ozone depleting substances into a number of different groups, I-VI. Windotex™ does NOT contain any substance classified in groups I-VI nor have any of the substances been used by MacDermid Autotype during manufacture. For details of the content of each of the groups, please see separate ozone depleting substances document

The product contains NO EC Black or Grey listed materials. However, it does contain chemicals classified as toxic to the aquatic environment. It should be kept away from drains and water courses. Correct disposal is via authorised Industrial Chemical Disposal Companies as classified waste Category EWC 8 03 99; H4, H14.

### Revision 07/12/V1

The information and recommendations in this publication are believed to be accurate and are offered in good faith but do not constitute specifications. Suggestions concerning uses and applications are only the opinion of MacDermid Autotype Limited and users should carry out their own testing procedures to confirm suitability for their purposes. Except in the case of death or personal injury caused by the materials, MacDermid Autotype Limited MAKES NO WARRANTY OF ANY KIND AND EXCLUDES ANY STATUTORY WARRANTY EXPRESS OR IMPLIED other than that materials conform to their current applicable standard specification. Statements herein therefore should not be construed as guarantees of satisfactory quality or fitness for purpose. The responsibility of MacDermid Autotype Limited for claims arising out of breach of guarantee, negligence, strict liability or otherwise is limited to the purchase price of the material. Suggestions concerning working practices and procedures are based on the practices adopted by existing users of the products and are made in good faith. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE THAT ALL RELEVANT HEALTH AND SAFETY LAWS AND REGULATIONS ARE COMPLIED WITH. MacDermid Autotype Limited does not provide any advice on such laws and regulations and accepts no responsibility, express or implied, for breach of such regulations. Statements concerning the use of products described herein should not be construed as recommending the infringement of any patent and no liability for infringement arising out of such use is assumed.

© 2012 MacDermid Autotype Ltd

