

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 diecutting or selective texturing.

1. 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).

2. 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.

3. Chemical Properties

* For more specific information, refer to Windotex solvent resistance sheet

Property	Windotex	Test Method
Chemical Resistance	Resistant to: Alcohols Dilute acids Dilute alkalis Esters Hydrocarbons Ketones Household cleaning agents	DIN 42 115



4. Optical Properties

Property	Windotex	Test Method
Gardner Haze Antiglare	Gloss <8% 10-30%	ASTM D1003-77 ¹
Gloss Level (60°) Antiglare	Gloss >90% 75-90%	ASTM D2457-70 ¹
Total Luminous Transmission (TLT) Antiglare	Gloss 91% ±2% 91% ±2%	ASTM D1003-77 ¹
Yellowness Index Antiglare	Gloss <5 <5	ASTM D1925-70

¹ Adapted to Autotype Method, see Test method manual

5. Physical Properties

Property	Windotex	Test Method
Taber abrasion	Gloss <10%	ASTM D1044-82 50 cycles, 250g load CS10F wheels
Adhesion to texture	100%	Autotype Method ¹
Density (uncured) Antiglare	Gloss 1.1g/cm ³ 1.2g/cm ³	Gravimetric
Pencil hardness	F	Autotype Method ¹

¹ See Test method manual

6. 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.

7. OZONE DEPLETING SUBSTANCES

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.

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