

Fototex

Product data sheet

Fototex texturing varnishes are designed for use with Autoflex for producing selective textures. This provides a simple and cost effective way of producing high quality textured finishes, and extremely durable scratch resistant windows. Fototex also produces excellent results when used with pre-treated polyester and polycarbonate films (see Fototex processing and safety recommendations).

PRODUCT DESCRIPTION

The Fototex products are UV curable, 100% solids screen printable texturing varnishes. Two ranges are available: Fototex N for use with Linde type UV/Nitrogen curing units and Fototex UV for use with conventional UV curing equipment.

Product Range:

Fototex UV Matt
Fototex N Matt
Fototex N Supermatt
Fototex N Supermatt XL
Fototex 3D (see separate data sheet for information)

PRODUCT APPLICATIONS

Fototex UV Matt and N Matt are designed to be screen printed onto Autoflex (see Fototex processing and safety recommendations) to produce selectively textured areas.

Fototex N Supermatt & Fototex N Supermatt XL has been specifically designed to produce a dead front finish for polycarbonate automotive displays. This product is not recommended for use with Autoflex hard coat where adhesion may be compromised.

Applications:

Membrane switch overlays
Fascia panels
Automotive displays
Nameplates
Labels/Product marking

Major Benefits:

- Full compatibility with Autoflex
- Embossable
- Good scratch resistance
- Chemical resistance
- Attractive appearance
- Texture reproducibility



CHEMICAL PROPERTIES

Property	Fototex N and UV	Test Method
Chemical resistance	See Fototex Solvent Resistance chart	DIN 42 115

OPTICAL PROPERTIES

Property	Fototex N			Fototex UV	Test Method
	Supermatt XL	Supermatt	Matt	Matt	
Gardner haze ¹	95% ±5%	95% ±5%	80% ±5%	78% ±5%	ASTM D1003 ²
Gloss level ¹ (60°)	0.7% - 1.5%	0.7% - 1%	3% - 4%	4% - 6%	ASTM D2457 ²
Total luminous transmission	97% ±3%	97% ±2%	92% ±2%	87% ±2%	ASTM D1003 ²
Yellowness index	<6	<6	<4.5	<6	ASTM D1925

¹ See Fototex Processing and Safety Recommendations.

² Adapted to MacDermid Autotype method, see Test Method Manual Note: Prints made onto Autoflex EBG250 using a 120.34 mesh for Fototex N and a 90.40 mesh for Fototex UV Matt

PHYSICAL PROPERTIES

Property	Fototex N			Fototex UV	Test Method
	Supermatt XL	Supermatt	Matt	Matt	
Density (uncured)	1.2g/cm ³	1.2g/cm ³	1.2g/cm ³	0.95g/cm ³	Gravimetric
Texture profile					MacDermid Autotype Method ¹
Ra	2.6µ ±0.3µ	2.6µ ±0.3µ	2µ ±0.3µ	3.8µ ±0.8µ	
Rtm	15.1µ ±1µ	15.7µ ±1µ	11.3µ ±1µ	17.7µ ±1µ	

All properties measured 24 hours after cure. ¹ See Test Method Manual

CUSTOM FINISHES

Products within each range can be intermixed to create a variety of finishes. Fototex N should NOT however be mixed with Fototex UV.

IMDS ID-No's

Fototex N Matt	9806763
Fototex 3D	444253637
Fototex N Supermatt	9807188
Fototex N Supermatt XL	9806440



HEALTH & SAFETY

THIS PRODUCT DOES **NOT** CONTAIN THE MONOMER N-VINYL-PYRROLIDONE (NVP) Full health and safety information together with a description of the operating hazards is given in the Fototex Material Safety Data Sheet and in the Processing and Safety Recommendations document. These must be referred to before any attempt is made to use the product.

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. Fototex EB 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

Revision 140417151655ES #2

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