



PLEXIGLAS® Textures

Extruded (XT)

Product

PLEXIGLAS® Textures are extruded polymethyl methacrylate (PMMA) sheets. Their textured surface is produced by an embossed calender roll.

Combined with LEDs, the light-guiding/light-diffusing surfaces create intriguing lighting effects.

The Bark "B" and Ribbed "R" textures run parallel to the sheet length, in the direction of extrusion. Extruded textured sheets are only covered with masking film on the smooth side. Sheets with textures on both sides have no surface masking.

Properties

Besides the general properties of PLEXIGLAS® like

- Excellent light transmission and brilliance
- Outstanding weather resistance
- 100% recycling ability
- Easy to fabricate
- High surface hardness
- Light weight – half the weight of glass
- 11 times more break resistant than glass

PLEXIGLAS® Textures possesses the following properties:

- Light diffusing surface
- From 8 mm thickness, suitable for over-head glazing in accordance with DIN EN 356
- Insensitive to scratches

Applications

Due to these properties PLEXIGLAS® Textures are suitable for the following applications

- Lighting applications (standard lamps, ceiling lights, pendant lamps, street lighting); ambient lighting
- Furniture, exhibition booths and store fixtures (counter paneling, shelf partitions, displays)
- Private construction (balcony glazing, door/gate infill panels)

Processing

PLEXIGLAS® Textures can be machined with the same parameters and equipment as standard PLEXIGLAS®. The following fabricating guidelines are available:

- Machining of PLEXIGLAS® (No. 311-1)
- Forming of PLEXIGLAS® (No. 311-2)
- Joining of PLEXIGLAS® (No. 311-3)
- Surface treatment of PLEXIGLAS® (No. 311-4)
- Fabricating tips of PLEXIGLAS® solid sheets (No. 311-5)

Technical data			
	PLEXIGLAS®XT	Unit	Test standard
Max. permanent service temperature	70	°C	-
Forming temperature	150 ... 160	°C	-
Coefficient of linear thermal expansion α for 0 ... 50°C	$7 \cdot 10^{-5}$ (0,07)	1/K (mm/m °C)	DIN 53752-A
Building material class (according to Baustoffklasse DIN 4102)	B2	-	DIN 4102
Combustion behavior	Class 3 TP(b) E	-	BS 476/Part 7+6 BS 2782, Method 508 A DIN EN 13501

For further typical data of PLEXIGLAS® Textures please see the Technical Information of PLEXIGLAS® GS/XT (211-1).

Product range

PLEXIGLAS® Textures is available in the following grades and sizes:

Product Range			
Surface	Grade	Thickness	Size
Z, R, W, P, B, E, CL (on both sides), TK (on both sides)	0A000, 8A470	3 mm, 4 mm, 6 mm	3050 x 1650 mm 3050 x 2050 mm

For details please refer to the PLEXIGLAS® Sales Handbook.

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Acrylic Products

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® = registered trademark

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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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