



G-Com UV⁺

G-Com UV⁺ Technical data

Characteristics	Test method	Tested Values	Required Values
Thickness	EN 438-2 section 5 6mm Nominal 8mm Nominal	5,9 mm 7,8 mm	5.0 ≤ t ≤ 8.0 mm : ±0.4 mm 8.0 ≤ t ≤ 12.0 mm : ±0.5 mm
Density	ISO 1183 – 1	1.4	Min. 1.35 ± 0.05 Kg/m ³
Wear Resistance	EN 438-2 section 10 EDS / EDF	Initial Point =235 Rev. Wear Value = 400 Rev.	Initial Point ≥ 150 Rev. Wear Value ≥ 350 Rev.
Scratch Resistance	EN 438-2 section 25 EDS / EDF	> 4 N	Textured Surface Min. 3 N
Impact Resistance	EN 438-2 section 21 Big Ball test EDS / EDF t ≥ 6.0 mm	No Crack 3.5 mm	1800 mm height: no crack, 10mm Max.
Resistance to Water Vapor	EN 438-2 section 14 EDS / EDF Textured Surface Finish	Level 5	Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 EDS / EDF t ≥ 5.0 mm Textured Surface Finish	Weight = 0.5% Thickness = 0.4% Level 5	Max. 2% in Weight Max. 2% in Thickness Min.Level 4
Resistance to immersion in water 65°C ; 48 Hours	EN 438-2 section 15 EDS / EDF t ≥ 5.0 mm	Weight = 1.0% Level 5	Max. 5% in weight Color change Min.Level 4



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Resistance to Staining	<p>EN 438-2 section 26 EDS / EDF</p> <p>Group 1 + 2 Group 3</p>	<p>Level 5 Level 5</p>	<p>Min.Level 5 Min.Level 4</p>
Flatness	<p>EN 438-2 section 9 EDS / EDF</p> <p>$6.0 \geq t \geq 10.0$ mm</p>	<p>1.87 mm</p>	<p>Max. 3 mm / 1 m length</p>
Light fastness	<p>EN 438-2 section 27 <i>(EN ISO 4892-1/2)</i> EDS / EDF</p> <p>Grey Scale <i>(EN 20105-A02)</i></p>	<p>Level 5</p>	<p>Min.Level 4</p>
Resistance to UV Light 1500 Hour	<p>EN 438-2 section 28 <i>(EN ISO 4892-3)</i> EDS / EDF Grey Scale <i>(EN 20105-A02)</i></p> <p>Contrast Appearance</p>	<p>Level 5 Level 5</p>	<p>Min.Level 3 Min.Level 4</p>
Resistance to Artificial Weathering 3000 Hours	<p>EN 438-2 section 29 <i>(EN ISO 4892-1/2)</i> EDS / EDF Grey Scale <i>(EN 20105-A02)</i></p> <p>Contrast Appearance</p>	<p>Level 4 Level 4</p>	<p>Min.Level 3 Min.Level 4</p>
Dimensional stability at elevated temperature (70°C ; 90% RH)	<p>EN 438-2 section 17 EDS / EDF</p> <p>$t \geq 5.0$ mm</p>	<p>Length = 0.18% Width = 0.36%</p>	<p>Length : Max. 0.3% Width : Max. 0.6%</p>



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Flexural Strength	EN ISO 178 EDS / EDF	114 MPa	Min. 80 MPa
Flexural Modulus	EN ISO 178 EDS / EDF	16.522 MPa	Min. 9.000 MPa
Tensile Strength	EN ISO 527 - 2 EDS / EDF	85 MPa	Min. 60 MPa
Fire Classification	EN 13501-1	B-s2-d0 (≥6mm HPL-EDF)	Not required
Coefficient of Linear Thermal Expansion	ASTM D696-08 -30°C to + 30°C	6.0×10^{-6} mm/mm°C	Not required

Cleaning Instructions :

- 1) Use Non abrasive cloth (Cotton Based) soaked with regular cleaning soap 5% solution (any household soap is suitable for this purpose) .
- 2) Clean the surface with Non abrasive clothe soaked with regular water and leave the wet surface for 5 minutes .
- 3) After 5 minutes soak the wet cloth with the soap solution and clean the surface without damaging the surface .
- 4) Leave the cleaned surface for 5 minutes .
- 5) Clean the surface again with wet cloth .
- 6) The following chemicals **should not be used for cleaning the G-Com UV+ Surface :**
 - 6.1 **Hard base solutions :** Ammonium Hydroxide , Sodium Hydroxide , Sodium Hypochlorite , Sodium Chloride .
 - 6.2 **Hard acidic solutions :** Hydrochloric Acid , Sulphuric Acid , Nitric Acid , Phosphoric Acid , Acetic Acid , Hydrofluoric Acid , Chromic Acid , Formaldehyde , Formic Acid , Phenol .
 - 6.3 **Reagents :** Silver Nitrate , Potassium Permanganate , Ferric (III) Chloride , Copper Sulphate , Iodine Tincture .
 - 6.4 **Organic solvents :** Furfural , Acetone , Ethyl alcohol , Methyl Ethyl Ketone , Dichloromethane , Ethylacetate , n – Butyl Acetate , n – Hexane , Methyl Alcohol , Methyl Isobutyl Ketone , TetraHydroFurane (THF) , Toluene , Tri Chloro Ethylene , Xylene , Methyl Violet 2B .
 - 6.5 **Organic compounds :** Mono Ethylene Glycol ,