EXEL WINDOW PROFILES

EXELNT VALUE
We are an uncompromising supplier and expert of top quality composite solutions for the most demanding door and window manufacturers all over the world.

Composites are always a sum of multiple properties. Good thermal and mechanical properties make glass fibre profiles and ideal choice for windows.

• Low thermal conductivity improves the window U-value
• Excellent weatherability equals longer lifetime
• No need for thermal breaks means simple structure and easy assembly
• Very good chemical resistance and weatherability for the most demanding atmospheres
• Custom-made design and colors

SUPERIOR PRODUCT FEATURES
• High energy efficiency
• Non corrosive
• Class 1 paintable surface
• Low weight
• Composites enable slim profiles and thus enable maximum solar light and solar heating
• No cold air falls, so installation to floor level possible with no radiators needed

Composite is a sustainable long term solution.

SOME APPLICATIONS
• Window frames
• Facade components
• Thermal breaks for aluminium systems
• Stiffeners for PVC windows

EXEL OFFERING
• pultrusion profiles with traditional construction
• high performance optimized pultrusion profiles
• all different materials
  › resins
    » polyester
    » polyurethane
    » epoxy
  › reinforcements
    » glassfiber
    » carbonfiber
    » natural fiber
• machining options
  › cutting
  › drilling
  › milling
• colour/coating options
  › through coloured resin systems
  › wet painting
  › powder coating
## TECHNICAL DATA SHEET

<table>
<thead>
<tr>
<th>General information</th>
<th>UNIT</th>
<th>BASIC</th>
<th>SMOOTH</th>
<th>STIFF+ SMOOTH</th>
<th>STIFF</th>
<th>POLYURETHANE</th>
<th>FIRE</th>
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<tbody>
<tr>
<td>Structure</td>
<td>MUM</td>
<td>TUT</td>
<td>MUMT</td>
<td>MUM</td>
<td>U</td>
<td>MUM + FR</td>
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<tr>
<td>Resin type</td>
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<td>White or black, colours available</td>
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<td>Surface finish</td>
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<td>Fine mat texture</td>
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### STRUCTURES:
- **U** = unidirectional fibres
- **M** = mat
- **T** = tissue

Data included in tables are for guiding and material choice. Final specifications can be finetuned for particular applications. Data is believed to be correct to the best of our knowledge at the date of printing. Basic laminates in accordance with ISO13706 E17 and E23 are available.