## TECHNICAL DATA SHEET

### ProFlex
PVC Edgebanding

<table>
<thead>
<tr>
<th>Chemical characteristics</th>
<th>Semi hard PVC Barium / Cadmium free stabilised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
</tbody>
</table>

### Commercial designation
- Flexible thick edge or ProFlex.
- Produced in multiple combinations of solid colours, woodgrains and other patterns reproductions.
- Product identification - 0 - PVC.
- Range identification - 8 - ProFlex.

### Available surface finishes
- 2 - Smooth
- 3 - Wood Tick
- 4 - Top Face
- 8 - Ash Pore

### Thickness
- Thicknesses available from 1.50mm up to 3.00mm with ± 0.1mm tolerance for thicknesses up to 2.00mm and ± 5% tolerance for thicknesses below 2.00mm.

### Width
- From 12mm up to 410mm with ± 0.5mm tolerance.

### Abrasion resistance
- For thicknesses below 2.00mm the specified resistance is 80 cycles according to ISO 7784 – 2 (adapted).
- Note: Applicable only for printed material.

### Scratch resistance
- For scratch test specified resistance is 1.5Kg, according to ISO 1518 (adapted).
- Note: Applicable only for printed material.
**Gloss**

The specified gloss, determined by ISO 2813, is as follows (equipment reading angle = 60º):

<table>
<thead>
<tr>
<th>Solid colours</th>
<th>Woodgrains</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface finish 2 (≤ 2 mm) - Gloss = 27 ± 5 u.b.</td>
<td>Surface finish 2, 3 and 4 - Gloss = 13 ± 4 u.b.</td>
</tr>
<tr>
<td>Surface finish 2 (&gt; 2 mm) - Gloss = 40 ± 8 u.b.</td>
<td>Surface finish 8 - Gloss = 8 ± 3 u.b.</td>
</tr>
<tr>
<td>Surface finish 3 - Gloss = 15 ± 5 u.b.</td>
<td>Surface finish 2 (high gloss) - Gloss = 55 ± 10 u.b.</td>
</tr>
<tr>
<td>Surface finish 4 - Gloss = 20 ± 5 u.b.</td>
<td>Surface finish 3 and 4 (high gloss) - Gloss = 45 ± 10 u.b.</td>
</tr>
<tr>
<td>Surface finish 8 - Gloss = 8 ± 3 u.b.</td>
<td>Surface finish 8 (high gloss) - Gloss = 35 ± 10 u.b.</td>
</tr>
</tbody>
</table>

**Hardness**

The specified value is 74 ± 2 Shore D, according to the standard ASTM D2240 and ISO 868 (minimum thickness = 3mm).

**Dimensional stability**

During 1 hour at 80ºC the shrinkage is < 1.5%, according to the standard DIN 53377.

**Density**

Range between 1.3 and 1.4 according to the standard DIN 53479.

**Water absorption**

Negligible water absorption according to the standard ISO 62.

**Softening temperature**

Specified between 76ºC and 78ºC according to the standard ASTM D 1525 and ISO 306.

**Tensile strength at break**

The tensile strength at break is 30 N/mm² according to the standard ISO 527 – 3.

**Light fastness**

The light fastness is equivalent to nº5 in the grey scale, according to the standard ISO 4582 and ISO 4892 – 1 – 2 (adapted).

**Flammability**

Self-extinguishable according to the standard UL 94.

**Stain resistance**

Good resistance to white and red wine, beer, condensed milk, black currant juice, oxygenated water, water, mercurochrome, cola, cleaning agents, lixivium 12º, according to DIN 68861.

**Storage temperature**

The recommended storage temperature is between 18ºC and 25ºC.

**Shelf Life**

The product should be used up to 18 months after production date.

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Warranty

Probos edgebanding products are produced according to industry-accepted standards. However, due to variations in raw materials, some minor colour drift can occur from batch to batch. Customers should inspect the supplied materials, prior to use. The manufacturer’s warranty and liability for bond, colour, pattern, surface embossing and recommended matches extend only to the replacement value of the specific edgebanding material involved.