

Technical Data Sheet

SprelaCart® laminate Type HGP

Product: SprelaCart® laminate consisting of Cellulose layers, which are impregnated with curable resins (core layers on the basis of phenolic resins, cover layer on the basis of amino resins) and grouted under influence of pressure and heat. It features a one-sided decor and is sanded on the backside. SprelaCart® laminate in thicknesses from 0,6 – 0.7 mm is suitable for postforming. By means of special overlays, they achieve scratch-resistant and abrasion-resistant surfaces.

Type: HGP (Horizontal general-purpose postforming according to EN 438)

Product specifications:

Thickness	up to max. 400 m (depending on thickness)
Roll length	Roll goods up to max. nominal thickness 0.6 mm
Roll width	1400 mm
Plate length	800-5500 mm
Plate width	max. 1410 mm

Technical specifications according to DIN EN 438-3:2005:

Pos.	Inspection feature	Unit of measure	Test values
1	Reaction to abrasion	U	>/= 350
2	Reaction to impact stress	N	>/= 20
3	Reaction to scratching	degree	3
4	Light fastness	Grey scale	4
5	Resistance to staining Appearance - Group 1-2 - Group 3-4	degree degree	5 4
6	Reaction to cigarette burns	degree	3
7	Reaction to water vapour	degree	5
8	Dry heat	degree	4
9	Moist heat	degree	4
10	Formaldehyde emission DIN EN 717-1	ppm	0.02
11	Resistance to fire DIN EN 4102		Class B2

Assessment: (Pos. 4, 5, 6, 7, 8) Degree 5: best value, no visible changes
 Degree 4: minor changes in gloss level and/or colour, only visible from certain angles
 Degree 3: moderate changes in gloss level and/or colour

As of: 11th June 2012

The information contained in this data sheet is based on extensive testing in practice. However, they do not constitute guarantees of specific characteristics in the legal sense as per the latest rulings by the German Federal Court.



Storage

Store in closed rooms away from wetness, moisture and direct sunlight. The plates should lie flat and horizontally on suitable even surfaces, for example on pallets with packing plates. The stack must be weighed down with a cover plate. If the laminate is shipped in film packaging, we recommend resealing the foil and weighing the stack down again each time something is removed from it. Under the above mentioned conditions, remouldable SprelaCart® plates can be stored in ready-to-use state for up to six months. If the stocking period is exceeded or the storage conditions are violated, the manufacturer does not guarantee that the product will be workable.

Processing

The Technical Bulletin of the Professional Group for Decorative Laminates in pro-K (www.pro-kunststoff.de), e.g. General Processing Recommendations for Decorative Laminates - Processing of Remouldable HPL - shall apply for the processing of SprelaCart® HGP.

Chipboard and wood fibreboard, veneer plywood, as well as laminated core board with adequate face veneers are suitable as substrates. Solid wood or block-glued core boards are less suitable as a substrate.

Adhesives that have been proven suitable include products on PVAc basis, urea-based glue with added hardeners and fillers as well as various contact adhesives. It is important that, after setting, the adhesives ensure permanent elasticity with good bonding strength. SprelaCart® plates and substrates should be conditioned together in a normal room climate before being processed further. For all further processes, these conditions should be continuously ensured.

Postforming properties

SprelaCart® laminate with a nominal thickness of 0.6–0.7 mm can be postformed lengthwise with a minimal radius of 3 mm. The laminate temperature should be between 165 and 175 °C.

Care instructions

SprelaCart® surfaces do not require any special care. Clean up minor soiling with a dry or wet cloth or sponge. Regular dirt can be removed with warm water and commercial cleaning agents without abrasive components.

Disposal

SprelaCart® laminate is not a hazardous substance as defined by the Hazardous Substances Act.

Processing waste and residues are classified by the European Waste Catalogue EWC no. 120105 and can be disposed of on domestic waste landfills in accordance with local regulations or disposed of by incineration.

