

## Technical Data Sheet

# Installation Instructions for SprelaCart® window sills

### Application

SprelaCart® window sills are used for window design in new construction, renovation and reconstruction of existing buildings. They are fast and easy to install. SprelaCart® window sills are intended for **use in interior rooms with standard room climates.**

### Technical Specifications and Properties

<b>Surface</b>	SprelaCart® laminate moisture and heat resistant resistant to impact and scratching resistant to common household chemicals low-maintenance lightfast
<b>Underside</b>	SprelaCart® laminate or opposing film with PE inlay – depending on the profile according to the SprelaCart® window sill brochure or <a href="http://www.sprela.de">www.sprela.de</a>
<b>Substrate</b>	chipboard E1, depending on profile type P5/EN-312, P2/EN-312 according to the SprelaCart® window sill brochure or <a href="http://www.sprela.de">www.sprela.de</a>
<b>False edge</b>	chipboard E1, P5 EN-312
<b>Rear edge</b>	SprelaCart multi-layer edge
<b>Accessories</b>	window sill cover caps, SprelaCart® multi-layer edge with hot-melt adhesive

### Cutting window sills

The window sills are cut with circular saws and narrow saw guiding with carbide metal saw blades e.g. diameters of 300...400 mm with 3000...4500 R/min, blade thickness > 2mm

Tooth pitch 10...15 mm, feed rate approx. 5 m/min.

Tooth shapes: trapezoidal flat teeth, alternate teeth

The cut is always made against the postforming edge towards the top for the „go side“.

Cut quality may be influenced by modifying the exit angle: The longer the saw blade projection, the better the upper cutting edge and the worse the lower cutting edge. The opposite applies for increasingly shorter saw blade projections.



## Installation Instructions

Humidity, wetness and residual moisture from fresh masonry can only reach the chipboard substrate via unprotected edges and may lead to swelling. For this reason, **all cutting edges must be permanently sealed/protected against moisture and wetness**, e.g. with the pre-coated SprelaCart® iron-on edging material or continuous adhesive seal (e.g. silicone rubber), then the ABS/PP window sill cover caps must be pressed on. Due to their chemical composition and smooth surface, both types of plastic cannot be satisfactorily bonded with standard adhesives.

Silicone rubber, special adhesives such as UHU wood adhesive or Pattex high-strength adhesive only achieve limited bonding on the cover caps. Though roughening the bonding area or applying a bonding agent does improve adhesion, it does not lead to optimum bonding strength. The cover caps should be further fastened by means of suitable nails or pins.

Protection against moisture is further increased if the wall openings are foamed after window sill installation and before plaster work. The joints must then be sealed with a permanently elastic sealant.

Window sills 2 m or more in length must also be anchored mechanically in the centre.

If you have further questions, our application technology staff would be happy to help you.

For information regarding „window sills with laminate surfaces for interior construction“, please also see [www.pro-k.de](http://www.pro-k.de) > info-service > Decor. Laminate boards > window sills .....

As of: 10th April 2013

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.

