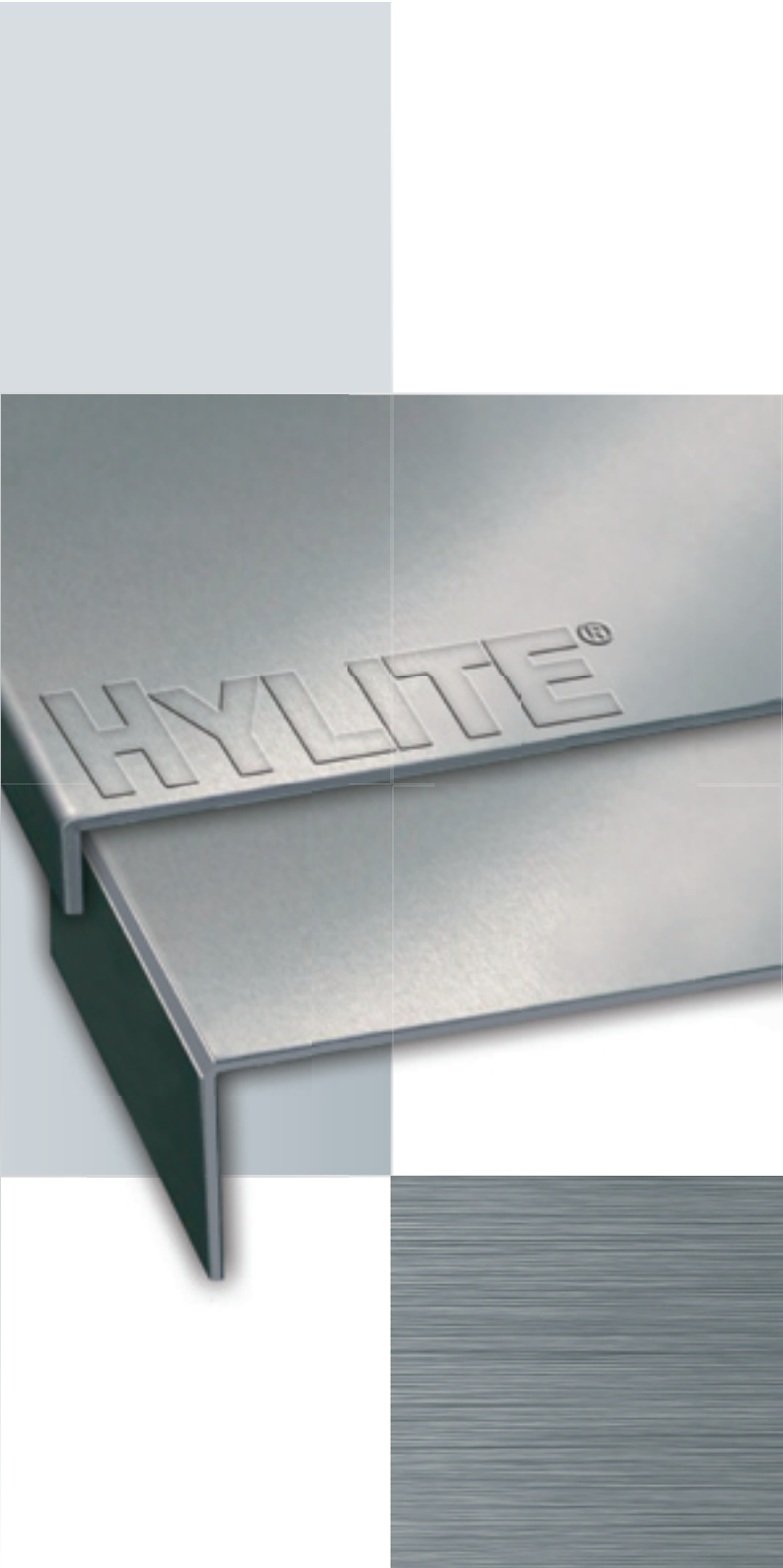


# HYLITE<sup>®</sup>



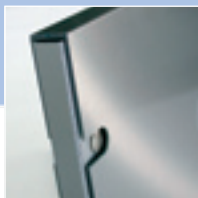
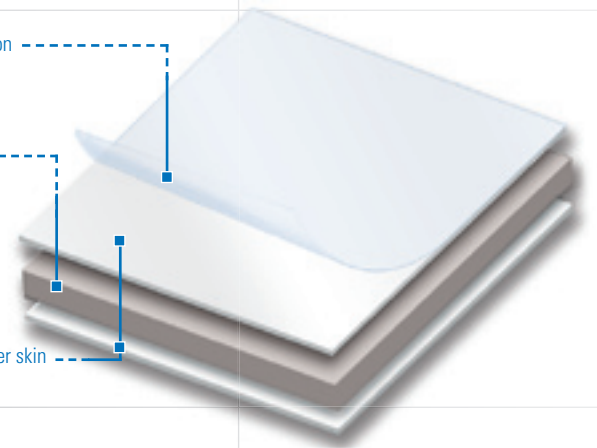
## PRODUCT

- Ideal material-weight ratio:  
(65% lighter than conventional solid steel resp.  
30% lighter than solid aluminium, providing the  
same flexural strength. Easy handling possible.
- Dimensional stability at temperatures of up to  
165°C which allows powder coating (with low  
temperature lacquer systems) in order to achieve  
various surface effects.
- HYLITE® provides similar properties as aluminium  
and can be processed equally using the same kind  
of machines.
- The HYLITE® core can be used as a hinge  
(tested by RWTÜV)
- HYLITE® can be easily recycled. By means of  
cryogenic milling the two components aluminium  
and plastic can be separated and reused.

Protective foil on  
both sides

Polypropylene  
core

Aluminium cover skin  
EN AW-5182



# APPLICATIONS

## Fields of applications

- Office Supply – design of office articles
- CD sleeves
- Cassettes
- Folders
- Notebook Holders
- Lightboxes

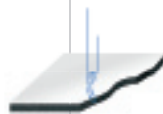
## Processing



Bending



Folding



Contour routing



Screen printing



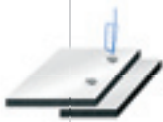
Powder coating



Roll bending



Punching



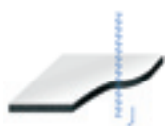
Screwing



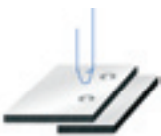
Hinge-effect



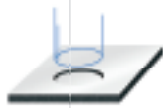
Sawing



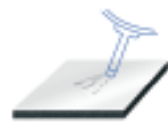
Contour cutting



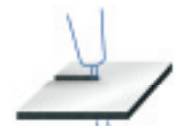
Riveting



Embossing



Engraving



Water-jet cutting



<b>Panel Thickness</b>	1,2 mm	2,0 mm
<b>Cover skin thickness</b>	0,2 mm	0,2 mm
<b>Width</b>	1540 mm	1540 mm
<b>Length</b>	3000 mm	3000 mm
<b>Surface</b>	transparent/ mill-finish	transparent/ mill-finish
<b>Alloy properties</b>	hard	hard
<b>Weight</b>	1,8 kg/m <sup>2</sup>	2,5 kg/m <sup>2</sup>
<b>Modulus of elasticity</b>	70.000 N/mm <sup>2</sup>	70.000 N/mm <sup>2</sup>
<b>Flexural Strength</b>	80 kNcm <sup>2</sup> /m	230 kNcm <sup>2</sup> /m
<b>Acoustic properties</b>	Anti-Noise Composite	Anti-Noise Composite
<b>Usage temperature</b>	-30 up to +120°C temporarily up to +165°C	-30 up to +120°C temporarily up to +165°C
<b>Powder coating or dip coating</b>	possible	possible

