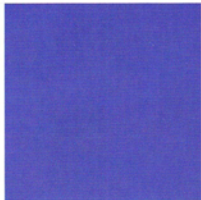
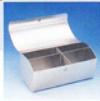
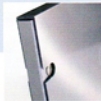
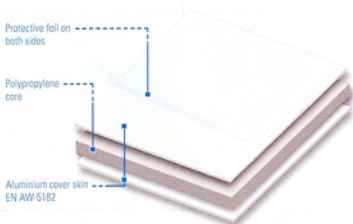


# HYLITE®



## 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.



# APPLICATIONS

## Fields of applications

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

## Processing



Bending



Folding



Contour routing



Screen printing



Powder coating



Roll bending



Punching



Screwing



Hinge-effect



Sawing



Contour cutting



Riveting



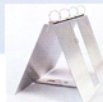
Embossing



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/m	230 kNcm/m
<b>Acoustic properties</b>	Anti-Noise Composite	Anti-Noise Composite
<b>Usage temperature</b>	-30 up to +120°C temporarily up to +185°C	-30 up to +120°C temporarily up to +185°C
<b>Powder coating or dip coating</b>	possible	possible

