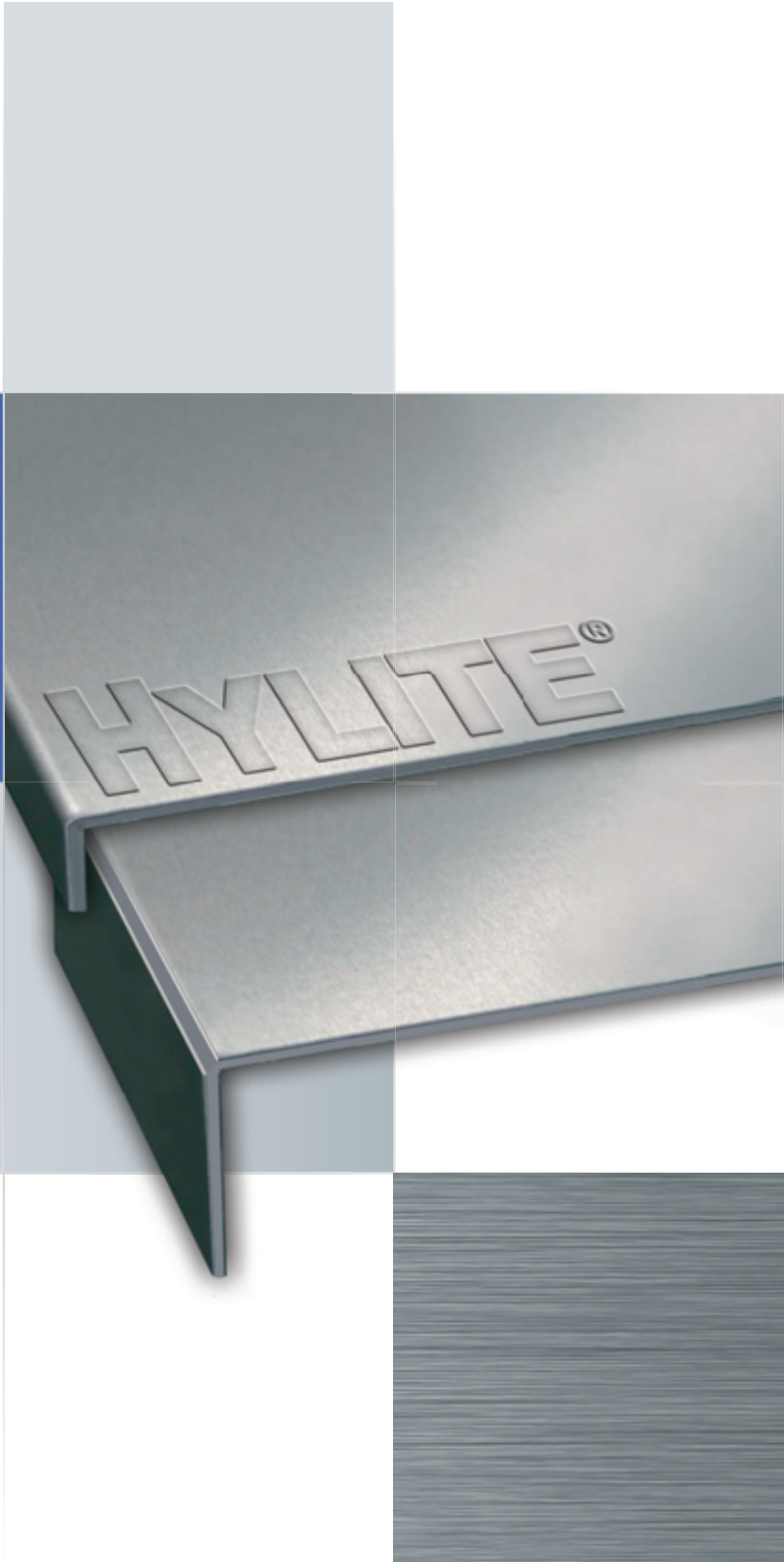


HYLITE[®]



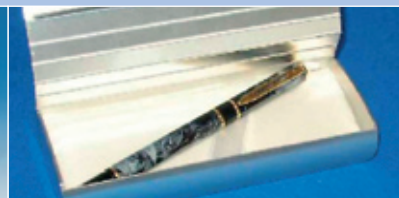
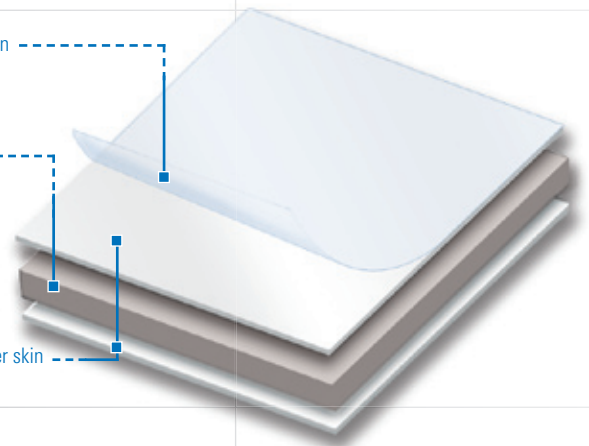
PRODUCT

- 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.

Protective foil on
both sides

Polypropylene
core

Aluminium cover skin
EN AW-5182



APPLICATIONS

Fields of applications

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

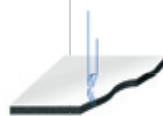
Processing



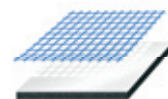
Bending



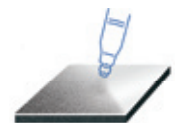
Folding



Contour routing



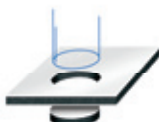
Screen printing



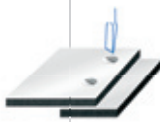
Powder coating



Roll bending



Punching



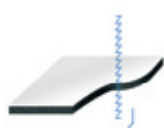
Screwing



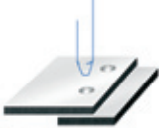
Hinge-effect



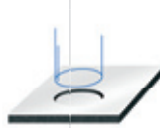
Sawing



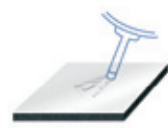
Contour cutting



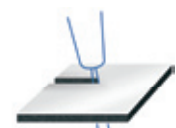
Riveting



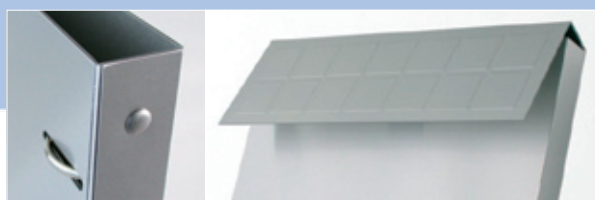
Embossing



Engraving



Water-jet cutting



HYLITE®

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

