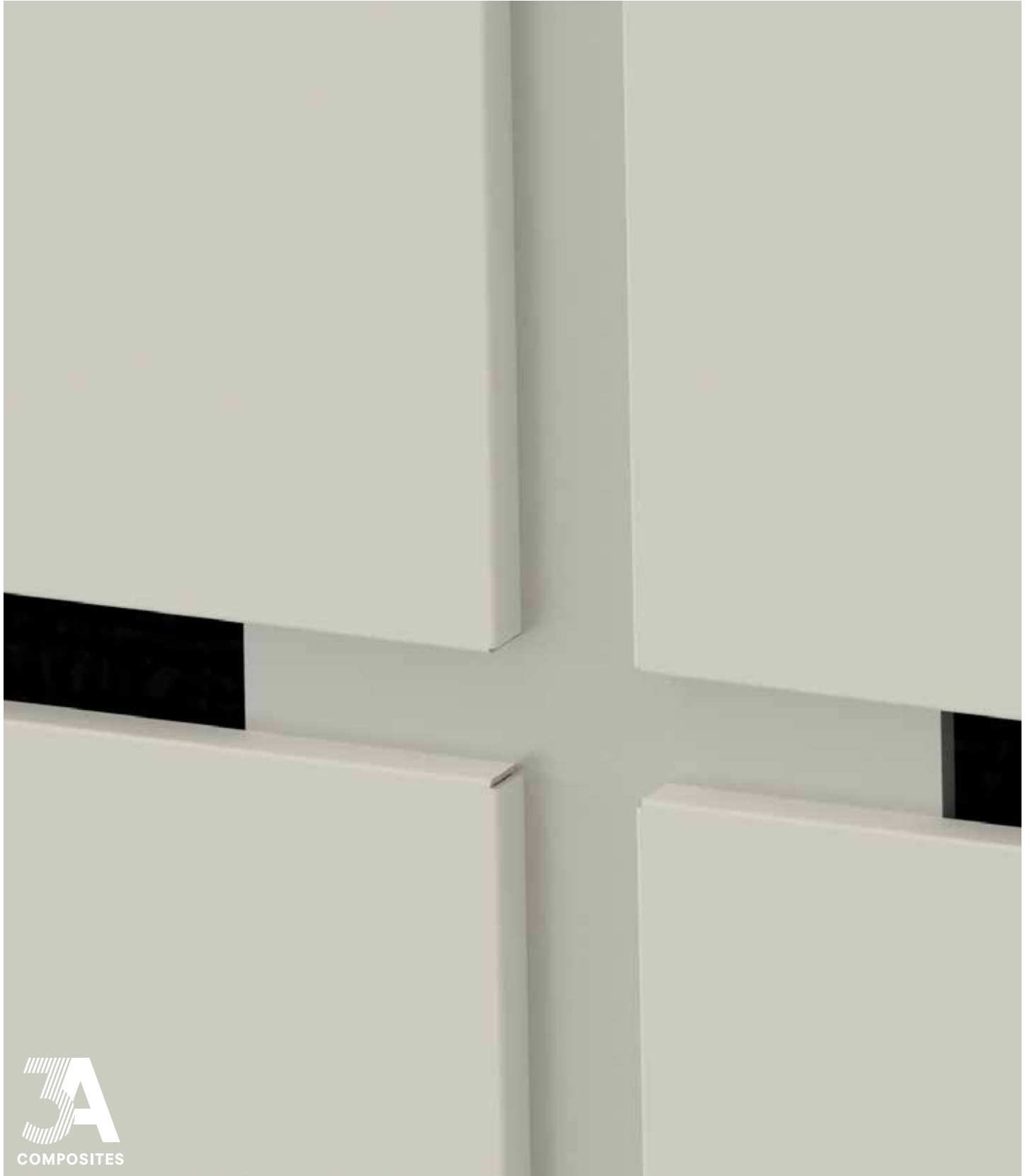


# ALUCOBOND®

## EDGE PROCESSING FOR ARCHITECTURAL APPLICATIONS

Methods for edge bending



# METHODS FOR EDGE PROCESSING

## CUTTING EDGE (with milling cutter or saw blade)

- core material is exposed and visible
- standard for face fixed panels since many years
- resistant to weathering
- easy processing / lowest cost



## ROUTING AND FOLDING

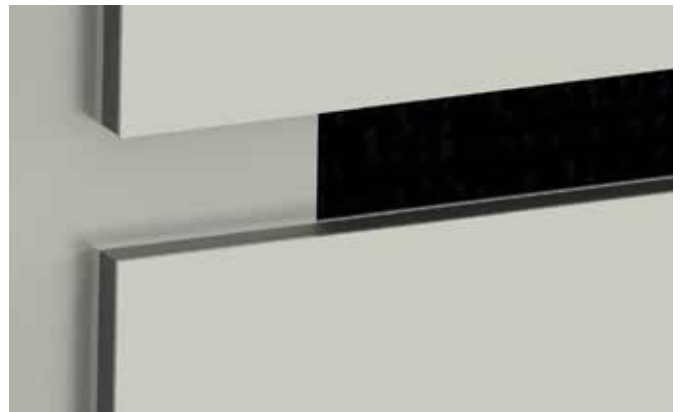
- V-groove applied and panel is folded by hand
- typically used for tray panel systems
- depth of a folding  $\geq 35$  mm
- high end solution
- additional steps in processing / higher costs
- additional material
- Schnittkante nicht sichtbar



## EDGE PROCESSING OF ALUCOBOND®


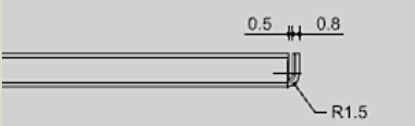

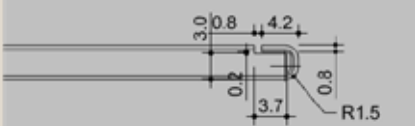
- Cutting edge at close look shows grey colour of the core and the bright aluminium cover sheet
- attempts to paint this edge were not successful
- edge bending is the solution for a smart look for decorative application
- Avoiding sharp edge (e.g. at schools)
- one additional step in processing
- minimum additional material

## CUTTING EDGE VS. EDGE BENDING



# METHODS OF EDGE BENDING

## WAYS FOR EDGE BENDING OF ALUCOBOND® 4MM

<p>Single folding</p>  <p>+3.3 mm added</p> 	<p>Double folding</p>  <p>+5.9 mm added</p> 
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Automatic edge preparation on straight edges on ALUCOBOND® panels possible with ALU Bender machine from Casadei Industria ALU s.r.l.



### GUIDELINE

- The depth of the routing shall be chosen so that a rest thickness of  $D = 0.8$  mm is remaining. The rear side of the aluminium cover sheet shall be protected by remaining core material. As also when using the routing and folding technique.
- A gap of  $S = 0.5$  mm remains
- The cover sheet is folded so that a big radius  $R > 1.5$  mm is remaining.
- Mechanical impact on the surface shall be avoided.

Rest thickness D  
Gap S  
Radius R



### CONDITIONS FOR USE

- Edge bending on ALUCOBOND® PLUS and ALUCOBOND® A2 along straight edges is possible when the material is not exposed to severe marine environment (less than 500 m from salt water).
- This method is not recommended for exterior application of all ALUCOBOND® naturAL colour series.
- Please note edge bending is not protecting the cutting edge from corrosion attack. An open gap remains.
- Elements may be curved following the edge bending using roll bending machines. A minimum radius of 300mm applies.

Next & Beyond.  
**ALUCOBOND®**



**3A Composites GmbH**  
Alusingenplatz 1  
78224 Singen, Germany  
info@alucobond.com  
www.alucobond.com