

THE TALENTED NEWCOMER TO THE KAPA[®] FAMILY

KAPA[®]tech is the new and innovative lightweight foamboard of 3A Composites. The pioneering composition of PUR foam and aluminium skins combines lightweight with rigidity. Moreover, KAPA[®]tech is euroclass B certified; it is the first KAPA[®] board in the category "difficult to ignite". KAPA[®]tech offers perfect characteristics for a lot of interesting applications in transport and industry as well as in visual communication.

PRODUCT

- Polyurethane foam core with coated aluminium skins
- Lightweight foamboard suitable for exterior as well as for interior use
- Resistance to humidity and good weather ability
- Good dimensional stability and stiffness
- Good insulating properties

APPLICATIONS

- Insulation
- Ceilings
- Interior fittings for trains and boats
- Elevator cabins
- Base for cabinet doors and doors in caravans
- Casing of machines
- Air ducts
- Shop fitting
- Stand construction
- Displays for POS / POP applications
- Signage
- Classical applications of visual communication

FIRE CERTIFICATIONS

- Europe according to EN ISO 13501-1: B-s2-d0 „difficult to ignite“
- Railway applications according to EN 45545-2:2013: hazard level HL1-3
- Planned 2014: marine construction: IMO Resolution A 653

FORMATS

- Standard sizes:

Width	x Length	Thicknesses
1250 mm	x 2500 / 3050 mm	5 mm and 10 mm
1400 mm	x 2500 / 3050 mm	5 mm and 10 mm
- Special sizes upon request
- Protective film on both sides



Suspended ceilings made from KAPA[®]tech.



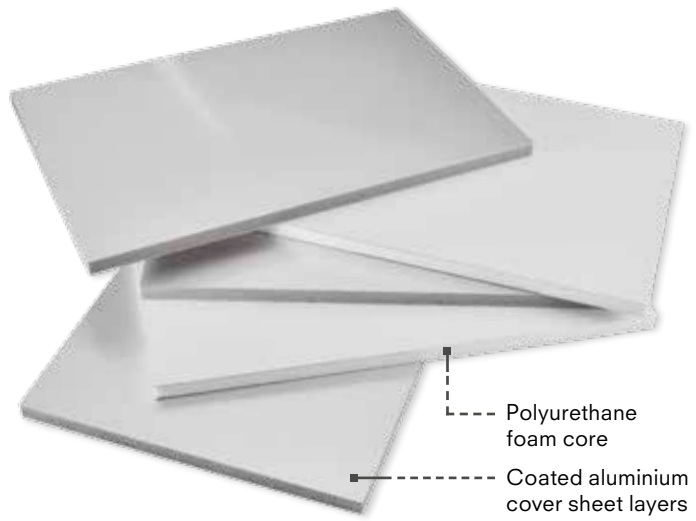
Air conditioning duct from KAPA[®]tech.



Cabinet door inside / outside.



Displays, POS/POP applications and large format prints show the stability and three dimensionality of KAPA[®]tech.

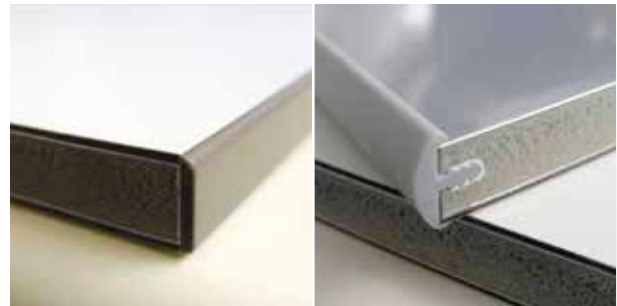


PROCESSING

- Easy processing with conventional woodworking and metalworking machinery
- Saw blade with trapezoidal/duplovit teeth
- Good routing results

FIXING

- Pre-drill the hole to avoid that the aluminium dents under the pressure of the screw
- Use borer with centring tip
- Do not draw the screws too strong: the sheet needs space to expand
- Use washers
- Bonding e.g. with interlocking H- or W-profiles



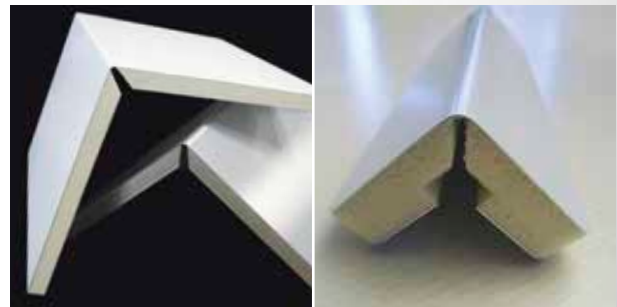
KAPA®tech laminated with HPL. Edges finalised with PVC T-profile. Edges finalised with ABS.

GLUING

- Aluminium and polyester lacquer are easy to glue
- Recommendation: Loctite or Sikaflex (ask the manufacturer of the glue for details)

SURFACE FINISH

- Lamination with HPL
- Decorative film
- Digital printing
- Screen printing



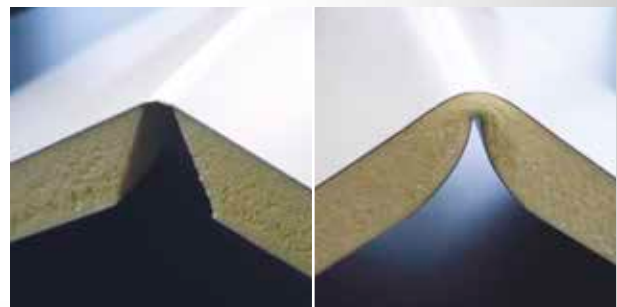
Folded with routing and folding technique.

EDGING

- ABS – plastic – profile (typical profile of furnitures)
- PVC – profile
- Adhesive tape

AWARD

KAPA®tech – the only lightweight foam board with B-s2-d0/M1/class 0 fire classification has won the EDP Award as best rigid printing substrate!



Folded with bending machine.