

OVERVIEW FINISHING OPTIONS

Issue 09.2016 - Replaces 02.2016

AIREX® structural foam core material

- FlexiCut (FC)
- ContourKore, knife cut (CK kc)
- ContourKore, saw cut (CK sc)
- Mini ContourKore (MCK)
- Grooved & Perforated (GP)
- Perforated 30 (P30)
- Grooved 50 (G50)
- AIREX® SealX surface sealing (SX)
- Precision Thickness (PRE)

BALTEK structural balsa core material

- ContourKore (CK)

Rating of Finishing Options regarding specific requirements

most suitable ●●●

suitable ●●

ok ●

www.airexbaltekbanova.com



Europe | Middle East | India | Africa

Airex AG
5643 Sins, Switzerland
T +41 41 789 66 00 | F +41 41 789 66 60
corematerials@3AComposites.com

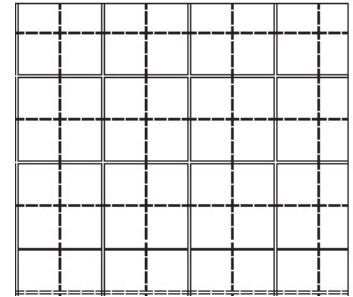
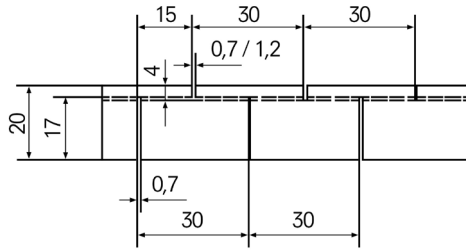
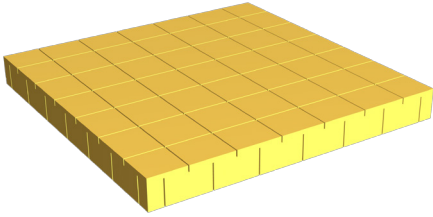
North America | South America

Baltek Inc.
High Point, NC 27261, USA
T +1 336 398 1900 | F +1 336 398 1901
corematerials.americas@3AComposites.com

Asia | Australia | New Zealand

3A Composites (China) Ltd.
201201 Shanghai, China
T +86 21 585 86 006 | F +86 21 338 27 298
corematerials.asia@3AComposites.com

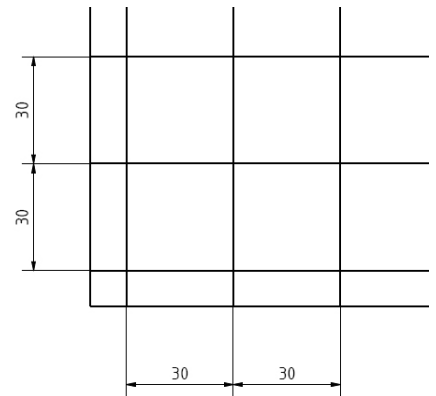
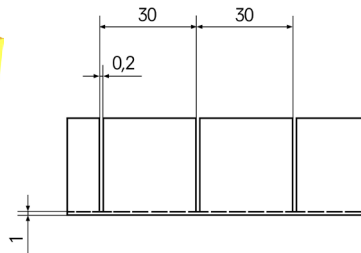
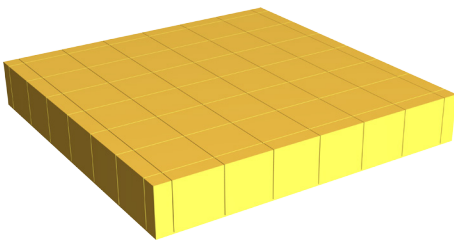
FlexiCut (FC)



- 30 x 30 mm cross-grooved both sides (40 x 40 mm for sheets > 31 mm)
- kerf depth 85% / 20% of thickness
- kerf width 0.7 mm for sheets ≤ 35 mm
- kerf width 1.2 mm for sheets ≤ 50 mm
- 2'200 holes / m²

Sheet flexibility ●● Resin uptake ●● Promotes resin flow in infusion ●● Laminate surface quality ●●● (0.7 mm width)

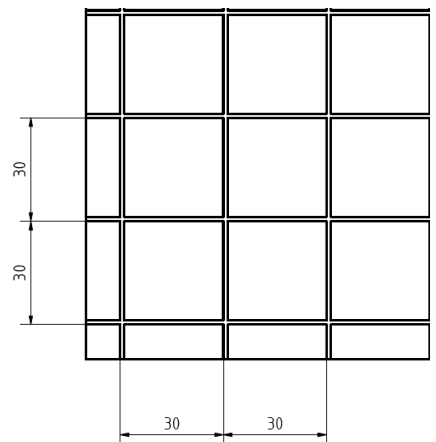
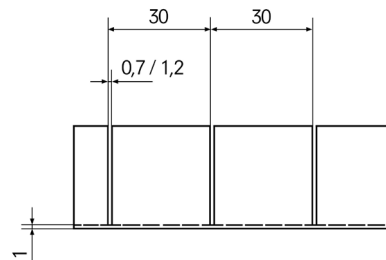
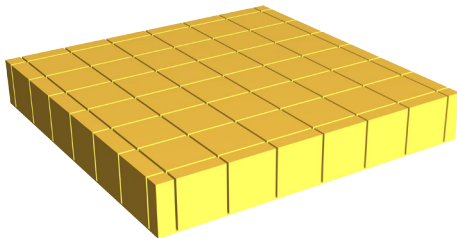
ContourKore, knife cut (CK kc)



- 30 x 30 mm bloc pattern
- kerf width approx. 0.2 mm
- glass fiber cloth on bottom side of sheet
- blocs are cut almost down to cloth

Sheet flexibility ●●● Resin uptake ●●● Promotes resin flow in infusion ● Laminate surface quality ●●●

ContourKore, saw cut (CK sc)

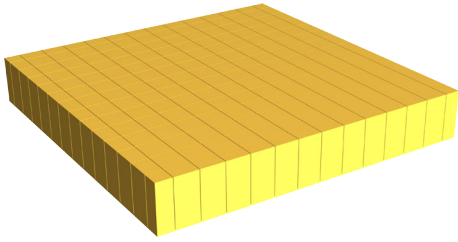


- 30 x 30 mm bloc pattern (40 x 40 mm if sheet is ≥ 31 mm)
- kerf width 0.7 mm for sheets ≤ 30 mm
- kerf width 1.2 mm for sheets ≤ 50 mm
- glass fiber cloth on bottom side of sheet
- blocs are cut almost down to cloth

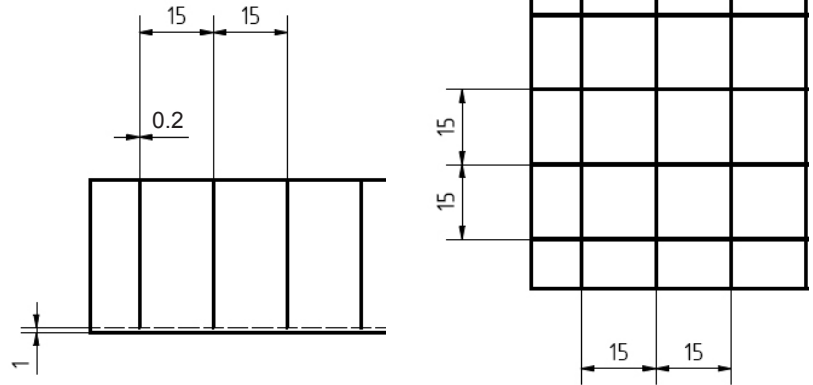
Sheet flexibility ●●● Resin uptake ●● Promotes resin flow in infusion ●● Laminate surface quality ●●

Note: limitations of availability may apply for specific products, densities or thicknesses

Mini ContourKore (MCK)

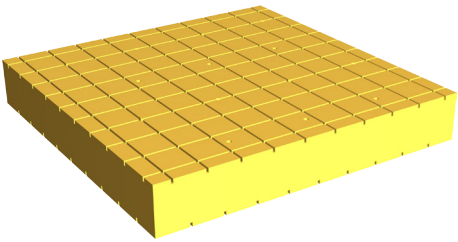


- 15 x 15 mm bloc pattern
- kerf width approx. 0.2 mm
- glass fiber cloth on bottom side of sheet
- blocs are cut almost down to cloth

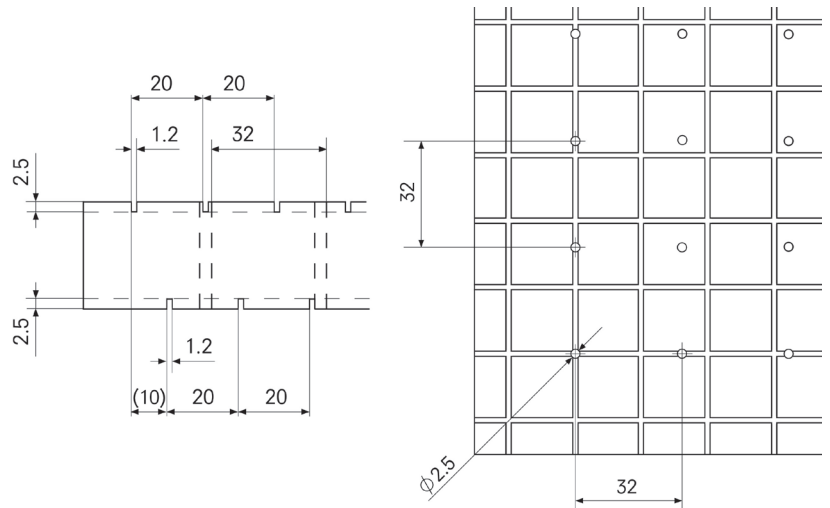


Sheet flexibility ●●● Resin uptake ●● Promotes resin flow in infusion ●●● Laminate surface quality ●●●

Grooved & Perforated (GP)

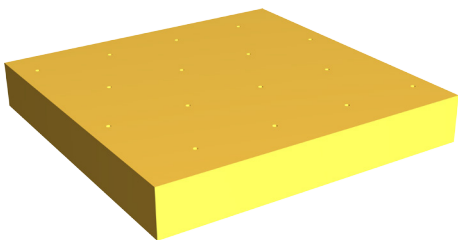


- cross-grooved both sides
- groove width 1.2 mm, depth approx. 2.5 mm
- grooving distance 20 mm
- grooving offset both sides 10 mm
- holes (diameter 2.5 mm)
- hole distance 32 x 32 mm pattern
- holes may not be aligned with grooves

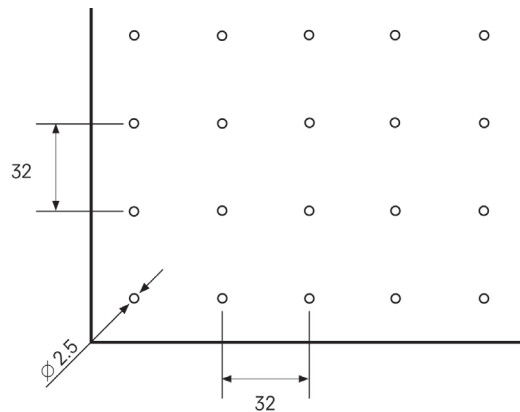


Sheet flexibility Resin uptake ●●● Promotes resin flow in infusion ●●● Laminate surface quality ●

Perforated 30 (P30)



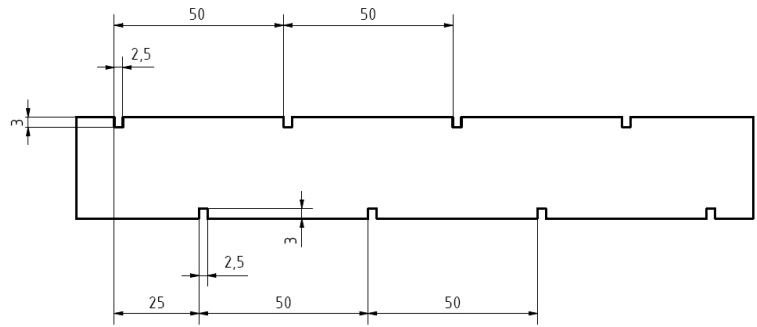
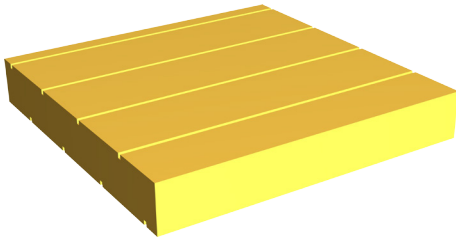
- holes (diameter 2.5 mm)
- hole distance 32 x 32 mm pattern



Sheet flexibility Resin uptake ●●● Promotes resin flow in infusion ● Laminate surface quality ●●●

Note: limitations of availability may apply for specific products, densities or thicknesses

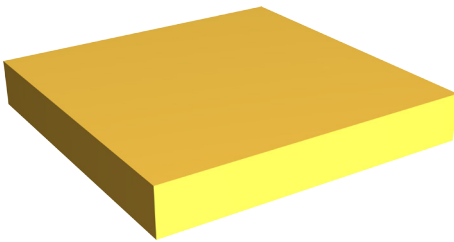
Grooved 50 (G50)



- parallel or crosswise grooves
- one side or both sides
- grooving distance 50 mm
- groove depth approx. 3 mm
- groove width 2.5 mm

Sheet flexibility Resin uptake ●●● Promotes resin flow in infusion ● Laminate surface quality ●

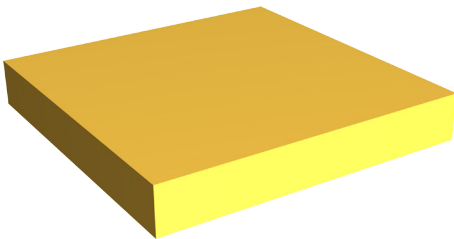
AIREX[®] SealX surface sealing (SX)



- surface sealing for AIREX[®] PET foams
- available for AIREX[®] T90 and T92 (densities up to 130 kg/m³)
- designed for resin infusion
- considerable reduction of resin uptake in infusion processes

Sheet flexibility Resin uptake ●●● Promotes resin flow in infusion Laminate surface quality

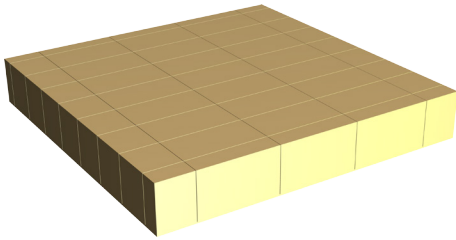
Precision Thickness (PRE)



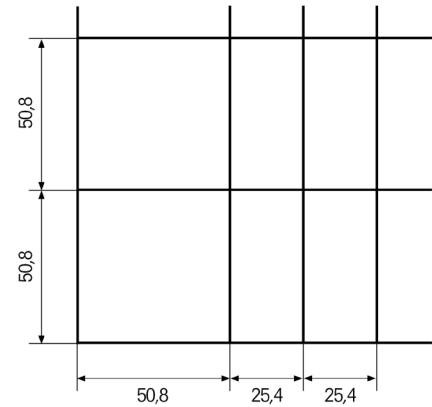
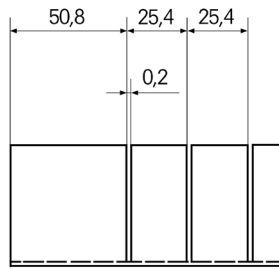
- improved thickness tolerance of sheet:
 PRE1: +0.2 / -0.4 mm (0.6 mm range)
 PRE2: +0.1 / -0.2 mm (0.3 mm range)

Note: limitations of availability may apply for specific products, densities or thicknesses

ContourKore (CK)



- 25.4 x 50.8 mm bloc pattern
(50.8 x 50.8 mm first and last row)
(50.8 x 50.8 mm if sheet is ≥ 50 mm)
- kerf width approx. 0.2 mm (knife cut)
- glass fiber cloth on bottom side of sheet
- blocs are cut almost down to cloth



Sheet flexibility ●●● Resin uptake ●●● Promotes resin flow in infusion ●● Laminata surface quality ●●●

Note: limitations of availability may apply for specific products, densities or thicknesses