### 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)
- Adaptive ContourKore (ACK)
- ContourKore (CK), combination cut

### Rating of Finishing Options regarding specific requirements

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<th>most suitable</th>
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**ContourKore, knife cut (CK kc)**

- 30 x 30 mm cross-grooved both sides
- 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** [3]

**ContourKore, saw cut (CK sc)**

- 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** [3]  
**Resin uptake** [3]  
**Promotes resin flow in infusion** 
**Laminate surface quality** [3]

**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** [3]  
**Promotes resin flow in infusion** [3] 
**Laminate surface quality** [3]

**Perforated 30 (P30)**

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

**Sheet flexibility**  
**Resin uptake** [3]  
**Promotes resin flow in infusion** [3] 
**Laminate surface quality** [3]

**ContourKore, saw cut (CK sc)**

- 30 x 30 mm bloc pattern (40 x 40 mm if sheet ≥ 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** [3]  
**Resin uptake** [3]  
**Promotes resin flow in infusion** 
**Laminate surface quality** [3]

**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** [3]  
**Resin uptake** [3]  
**Promotes resin flow in infusion** 
**Laminate surface quality** [3]

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

**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

**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)

**ContourKore (CK)**

- 25.4 x 50.8 mm bloc pattern
- (50.8 x 50.8 mm first and last row)
- Kerf width approx. 0.2 mm (knife cut)
- Glass fiber cloth on bottom side of sheet
- Blocs are cut almost down to cloth
- 6.4 - 44.5 mm thickness

**Adaptive ContourKore (ACK)**

- Widthwise Panel Cut CORE THICKNESS (mm)
  - mm inches 6.4 12.7 16 19 25 32 38 45 51 57 64
  - 0 0
  - 25.4 1 Standard
  - 50.8 2
  - 76.2 3
  - 101.6 6
  - Cut Tolerance ± 5 mm

- Lengthwise Panel Cut CORE THICKNESS (mm)
  - mm inches 6.4 12.7 16 19 25 32 38 45 51 57 64
  - 0 0
  - 50.8 2 Standard
  - 203.2 6
  - Cut Tolerance ± 5 mm

**CORE MATERIALS**

- AIREX® SealX surface sealing (SX)
- Grooved 50 (G50)
- Precision Thickness (PRE)
- ContourKore (CK)
- Adaptive ContourKore (ACK)

**Note:** Limitations of availability may apply for specific products, densities or thicknesses
Adaptive ContourKore (ACK)

/ 3 x 6” bloc pattern
/ all material > 2”
/ blade kerf width approx. 0.2 mm (knife cut)
/ 44.5 - 76.2 mm thickness
/ saw kerf 1.3 mm

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