

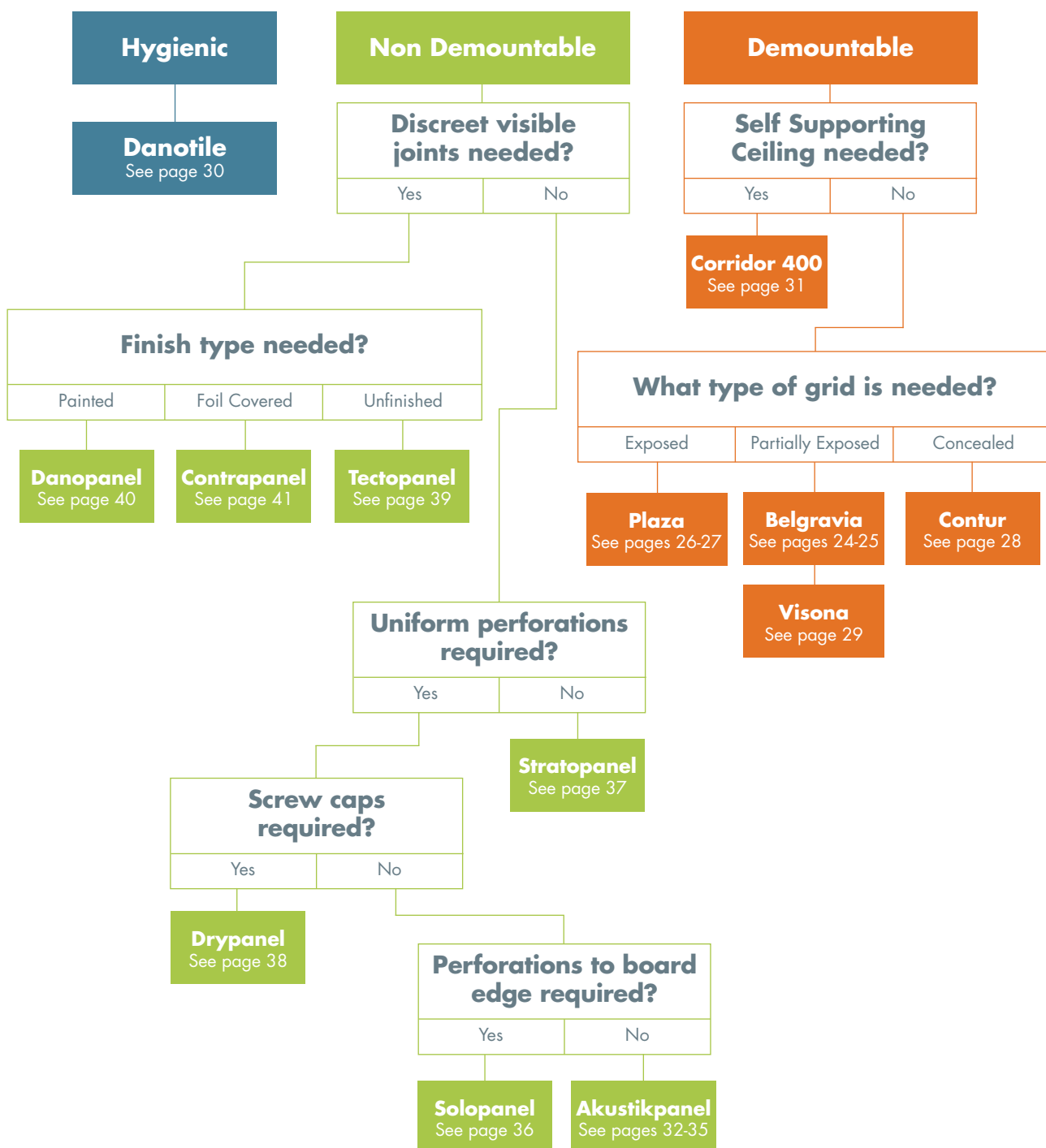


### 3. Acoustic and Design

An expansive selection of acoustic ceiling and wall lining tiles with different expressions, design opportunities and acoustic profiles.

# Choose the right range for your ceiling

Choosing the right ceiling tile for the right application can be difficult, which is why we have created the Selector below to help make specification easier.



**!** All recommendations in this document are Knauf guidance only. Final specification is dependent upon performance requirements and existing build-up.

**For further information, contact our Technical Team:**

**Live Webchat: 09:00 – 17:00 – [www.knauf.co.uk](http://www.knauf.co.uk)**

**[technical@knauf.co.uk](mailto:technical@knauf.co.uk)**

**We have a specification to suit your requirements!**

# 3. Acoustic and Design

## Special Designs – Shapes

### Knauf Curvex

Our factory manufactured curved panels are produced from 6mm thick gypsum boards and can be made to form clean arcs or elliptical shapes. A minimum of two boards is usually used.

However, extra layers can be added for specific fire or acoustic requirements. The flat boards are soaked in a special solution, bent to the required radius, and glued together to form a laminated panel.

Knauf recommends that when curves are manufactured a straight extension is added as this simplifies the final fixing. It is recommended that column casings are made from at least two layers, see image. This offers the best stability and results in a more circular column. If only one layer is used a considerable amount of filling will be necessary, and the final shape of the column may be more oval. S-shape panels are used to link different levels of a ceiling surface. It is possible to have different radii for the two curves forming the S.








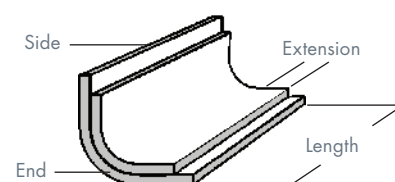
### Variations

Knauf Curvex curved panels are produced in all radii as per the coloured section in shown length.

Length in mm	Column 1						Column 2						Column 3					
	1000 – 3000 mm						900 mm						1200 mm					
	90°			180°			90°			180°			90°			180°		
Degree																		
Thickness in mm	13	18	25	13	18	25	13	18	25	13	18	25	13	18	25	13	18	25
Radius in mm – 100	•			•			•			•			•			•		
Radius in mm – 200	•			•			•			•			•			•		
Radius in mm – 300	•			•			•			•			•			•		
Radius in mm – 400	•						•			•			•			•		
Radius in mm – 500	•						•			•			•			•		
Radius in mm – 600							•			•			•			•		
Radius in mm – 700							•			•			•			•		
Radius in mm – 800							•			•			•			•		
Radius in mm – 900							•						•			•		
Radius in mm – 1000							•						•			•		
Radius in mm – 1100							•						•			•		
Radius in mm – 1200							•						•			•		
Radius in mm – 1300							•						•			•		
Radius in mm – 1400							•						•			•		
Edge detail	E1, E2, E4, E7, E8 and S1, S2						E1, E2, E4, E8 and S1, S2						E1, E2, E4, E7, E8 and S1, S2					

### Curve Designation

Edge designation		End	Side
Square edge		E1	S1
Square edge 25 mm staggered		E2	S2
Square edge 50 mm staggered		E4	
Bevelled edge		E7	
Bevelled edge 50 mm staggered		E8	







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