DID YOU KNOW THAT...

in nature, when limestone and smoke particles from volcanos come in contact with water, the crystal Ca SO4 + H2O is produced? The Beerenberg volcano on Jan Meyen is the reason for large quantities of natural gypsum, around the world.

CURVEX
ACOUSTICAL SHAPES

Arches bounded only by the limits of the imagination. Organic design with different edges adaptable to all types of ceiling and wall designs.
ACOUSTICAL SHAPES
CURVEX

SURFACE
Standard untreated

DANISH INDOOR CLIMATE LABELLING (DIM)
Indoor value: 10 days
Particle emission: low (< 0.75 mg)

CLEANING
Dust is removed using a dry duster or vacuum cleaner. Removal of marks depends on the paint used on site, although a damp cloth using normal cleaning practices and neutral cleaning solution is normally suitable for minor marks. In the case of stubborn marks or if in doubt refer to the paint manufacturer’s recommendations.

AMBIENT CONDITIONS
The product is designed to perform under normal conditions of use. Tested at 70 % RH and 25° C. The product can withstand ambient temperatures of up to 50° C.

FIRE CLASS
A2-s1,d0

ROBUSTNESS
Made of robust, glass fibre reinforced material with excellent pressure resistance. Under normal conditions of use, the product properties are preserved and there is no decomposition of material over time.
ACOUSTICAL SHAPES

CURVEX

SIZES

- Min. radius: 25 mm
- Min. length: 200 mm
- Max. length: 3000 (type A)
- Min. thickness 2 x 6 mm
- Circle cut: 0° - 180°

Radii under 80 mm (internally) are groove cut. Radii under 120 mm (internally) must be filled completely.

INSTALLATION

Curvex elements must be mounted on a stable support. Secure the elements to the support at a max. screw distance of 300 mm in both directions. Both ends of the curve must be secured.

As a general rule, the Curvex elements are screw fixed through the board. If the Curvex elements with bevelled edges are used, push the elements close together.

If the elements on the other hand require joint filling, leave a space of 2-4 mm between the elements. Bevel off square edges and prime them with Knauf primer.

Knauf Danoline recommends Knauf Uniflott filler for joint filling.

EDGES

Extensions are optional and are used for joint filling. For optimal result, we recommend extensions if the Curvex elements are to be connected with regular gypsum boards.

The column cladding is supplied in 4 nos. 180° shells, each consisting of 2x6 mm gypsum boards:
- 2 shells for 1st layer
- 2 shells for 2nd layer
The second layer to be installed 90° staggered.

S-shaped curves are produced to customer specification. Drawing must be supplied. Please contact Knauf Danoline for more information.

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The second layer to be installed 90° staggered.

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PERFORATION
Supplied non-perforated.
For perforated curved panels, please see Designpanel and Tectopanel

<table>
<thead>
<tr>
<th>EDGE</th>
<th>END</th>
<th>SIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Square edge</td>
<td>E1</td>
<td>S1</td>
</tr>
<tr>
<td>Square edge 25 mm staggered</td>
<td>E2</td>
<td>S2</td>
</tr>
<tr>
<td>Square edge 50 mm staggered</td>
<td>E4</td>
<td></td>
</tr>
<tr>
<td>Bevelled edge</td>
<td>E7</td>
<td></td>
</tr>
<tr>
<td>Bevelled edge 50 mm staggered</td>
<td>E8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curve length (mm)</th>
<th>A</th>
<th>B</th>
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</thead>
<tbody>
<tr>
<td>1200 - 3000</td>
<td></td>
<td>≤ 1200</td>
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</table>

<table>
<thead>
<tr>
<th>Angle</th>
<th>90°</th>
<th>180°</th>
<th>90°</th>
<th>180°</th>
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</thead>
<tbody>
<tr>
<td>Thickness (mm)</td>
<td>13</td>
<td>18</td>
<td>25</td>
<td>13</td>
</tr>
<tr>
<td>50 - 100</td>
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<tr>
<td>101 - 200</td>
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<td>201 - 300</td>
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<td>301 - 400</td>
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<td>401 - 500</td>
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<td>501 - 600</td>
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<td>601 - 700</td>
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<td>701 - 800</td>
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<td>801 - 900</td>
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<td>901 - 1000</td>
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<td>1001 - 1100</td>
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<td>1101 - 1200</td>
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<td>1201 - 1300</td>
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<tr>
<td>1301 - 1400</td>
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</tbody>
</table>

- This size **can** be produced
- This size **cannot** be produced
Knauf Danoline’s Guarantee of Quality

At Knauf Danoline we are proud of our ability to consistently supply high quality, gypsum-based, acoustic solutions for the benefit and comfort of our customers and end-users.

At Knauf Danoline we consistently deliver what we promise.

- Products manufactured to the highest international quality standards and guaranteed free of manufacturing defects for 5 years.
- Products and systems that can withstand the most stringent of global fire, acoustic and structural tests. Fire protection and acoustic performance guaranteed for 30 years.
- Solutions that provide design, indoor climate and sustainability value.
- High quality service and technical support guaranteeing up-to-date advice and help whatever your needs.
- Equal service to everyone.
- A fast response to the requests of all customers.

Knauf Danoline has been in the construction industry for over 50 years and thanks to our know-how and affiliation with the Knauf group, we have the knowledge and capacity that secures flexibility in our production, insight in the building market requirements, and the basis for further development.

Knauf Danoline is committed to a constant future proofing of its product range and through annual product reviews and product optimisation projects in R&D, Knauf Danoline provides adaptable solutions that match the different demands from the market, whilst retaining their intrinsic ability to last a lifetime. In this way Knauf Danoline can consistently deliver:

- Easy to clean solutions that maintain their acoustic and indoor climate properties for their entire service life, even after repainting time and time again.
- Sustainable gypsum solutions that can last the lifetime of the building.
- Classic, timeless designs that maintain their aesthetical quality throughout their entire service life.

Maintaining a high level of quality service to our customers and other stakeholders is essential to our success and our ability to deliver what we promise. Therefore we educate our employees to have insight in markets and the skills and competencies required to ensure that they understand the needs and desires of all our customers. Only in this way can we be sure that we are able to consistently deliver what we promise.
**UPKEEP & MAINTENANCE**

Best Practice: Use of clean cotton gloves when handling painted and foil-covered product elements will ensure a good result and a ceiling without fingermarks.

**SUSPENSION**

More visible damages and scratches on the surface can be repaired using filler and finishing with sandpaper prior to repainting.

**CLEANING**

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions. Stubborn marks or minor damages should be wiped clean prior to repainting.

**REPAIR**

More visible damages and scratches on the surface can be repaired using filler and finishing with sandpaper prior to repainting.

**LAMP SUSPENSION**

**DANOTILE:** For sizes up to 625x625 mm and min. thickness 9mm, units of up to 3kg can be installed directly into the panel without reinforcement.

**BELGRAVIA, MARKANT, PLAZA, MEDLEY:** For sizes up to 625x625 mm and min. thickness 9mm, units of up to 3kg can be installed directly into the panel without reinforcement. For larger module sizes and all sizes in 6mm thickness, a reinforcement panel of sufficient strength can be installed behind the element. The reinforcement panel must extend all the way into the main runners, so that the weight is transferred to them. The total weight should not be greater than 3kg for each m² of ceiling. Where loads are greater than 3kg/m², additional hangers must be used. Units over 3kg, should be installed independently, so that they do not place any load on the ceiling.

**CORRIDOR 400, CORRIDOR SWING**

**SURFACE**

White painted

**UPKEEP**

Designed for use under normal conditions, i.e. up to 70% RH and 25°C, e.g. in offices, institutions and similar premises. Belgravia, Markant, Plaza and Donotile 600x600 have also been tested at 90% RH at 30°C and can be used under more extreme conditions such as kitchens, laboratories and rooms with frequent and major changes in the temperature and air humidity.

Special purpose, anticorrosion treated suspension systems should be used in areas of very high humidity.

**CLEANING**

Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions. Stubborn marks or minor damages should be wiped clean prior to repainting.

**REPAIR**

More visible damages and scratches on the surface can be repaired using filler and finishing with sandpaper prior to repainting.

**LAMP SUSPENSION**

**CORRIDOR 400:** Units weighing up to 3kg can be installed directly into the panel without reinforcement. N.B. The maximum cut-out, when installing in the centre of the panel is Ø265mm / 265x265 mm. Units over 3kg, should be supported independently, so that they do not place any load on the ceiling.

**CORRIDOR SWING:** The ceiling tile may not bear additional weight from other installations.
UPKEEP & MAINTENANCE

Best Practice: Use of clean cotton gloves when handling painted and foil-covered product elements will ensure a good result and a ceiling without fingermarks. Handling the untreated panels with care will avoid damage and surface contamination prior to painting and thereby ensure a good end result.

<table>
<thead>
<tr>
<th>PRODUCT CATEGORY</th>
<th>NON-DEMOUNTABLE CEILINGS AND WALL LININGS</th>
<th>DESIGN ELEMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCTS</td>
<td>DANOPANEL, TECTOPANEL, SOLOPANEL, STRATOPANEL</td>
<td>CURVE</td>
</tr>
<tr>
<td>SURFACE</td>
<td>White painted, Untreated, Foil finish, Black painted</td>
<td></td>
</tr>
<tr>
<td>UPKEEP</td>
<td>Designed for use under normal conditions, i.e. up to 70% RH and 25°C, e.g. in offices, institutions and similar premises.</td>
<td>Use a paint roller to apply paint. Use the same paint as the original surface finish chosen.</td>
</tr>
</tbody>
</table>

**CLEANING**

Dust is removed using a dry duster or vacuum cleaner. Removal of marks depends on the paint used on site, although a damp cloth using normal cleaning practices and neutral cleaning solutions is normally suitable for minor marks. In the case of stubborn marks or if in doubt refer to the paint manufacturer’s recommendations.

**CONTRAPANEL:** Dust is removed using a dry duster or vacuum cleaner. Marks can be removed with a damp cloth using normal cleaning practices and neutral cleaning solutions. On non-perforated tiles stronger cleaning agents may be used where necessary to remove stubborn marks or where cleaning regimes require it.

**REPAIR**

More visible damages and scratches on the surface can be repaired using filler and finishing with sandpaper prior to repainting. When painting use Knauf Danoline repair paint or similar (as NCS 5700 or closest RAL colour 9003) and apply by paint roller. In case of surfaces painted with Medifend, make sure to use Medifend paint when repainting. Spray painting is not recommended on perforated products, as there is a risk of the spray paint being applied to the acoustic felt backing thereby altering the acoustic properties.

Light objects up to a maximum of 3 kg can be suspended using appropriate fixings. Items over 3 kg must be suspended from the furring system which must be able to bear the full weight.

**CONTRAPANEL:** Light objects up to a maximum of 3 kg can be suspended using appropriate fixings. Items over 3 kg must be suspended from the furring system which must be able to bear the full weight.

**ADIT:** The panel may not bear additional weight from other installations.

**LAMP SUSPENSION**

The tile may not bear additional weight from other installations. Light objects up to a maximum of 3 kg/m² may be installed where they can be suspended from the furring system which must be able to bear the full weight.

**ADIT:** The panel may not bear additional weight from other installations.
Prior to installation, Curvex elements must be stored clean and dry, between 0°C and 50°C, and with a relative humidity not exceeding 70% RH, and not subject to any abnormal conditions.

Curvex elements are manufactured according the most environmentally responsible production methods, as is the rest of the product programme. This means that the elements are moistened with pure water without the addition of biocides of any kind. This has the consequence that if left for too long in these humid conditions, the boards provide a suitable surface for the growth of mould.

For this reason it is important that the Curvex elements are installed no later than 2 weeks after the date of production. Curved panels should remain in their transport wrapping until actual installation takes place.

The curves may go slightly out of shape in the time period between manufacture and application. This can be corrected when panels are fixed, by moistening the curves with water, making them more pliable. After 30-60 minutes, the panels will be ready for fixing.

The pallets with Curvex elements must be transported in a single layer - the pallets must not be loaded on top of each other and pallets with other goods must not be stacked on top of Curvex pallets.

The pallets with Curvex elements must be stored in a single layer - the pallets must not be stacked on top of each other and pallets with other goods must not be stacked on top of Curvex pallets.