

# Troldtekt® v-line

New design solutions with discreet grooves

# Troldtekt® v-line – a calm and characterful look

Troldtekt v-line 1way and Troldtekt v-line 2way are two new design solutions which ensure a characterful ceiling surface with uninterrupted lines – for example, in offices and private homes. Troldtekt v-line is based on classic 25 mm thick Troldtekt acoustic panels unlike the other Troldtekt design solutions, which are 35 mm thick.

The name v-line comes from the v-shaped grooves that are cut into the panel surface. The grooves create a more discreet look than with Troldtekt line and Troldtekt line design panels, which have deeper grooves.

The Troldtekt v-line panels are dimensioned to weigh as little as a classic Troldtekt panel – and are available at very competitive prices.

Troldtekt v-line can be combined with Troldtekt v-line blank, which is also available in 1way and 2way versions, but without any surface grooves. The blank panel is particularly suitable for installing spots or skylights, for example – and ensure a visually more attractive finish along the walls in crooked or otherwise irregular rooms.

## **Cradle to Cradle Certified® at Gold level**

The entire range of Troldtekt cement-bonded wood wool products in natural wood/natural grey and painted in standard colours is certified in accordance with the Cradle to Cradle design concept at Gold level. The certification also covers Troldtekt design solutions, including Troldtekt v-line.



Holiday home in Frederiksværk, Denmark, featuring Troldtekt v-line 1way, based on FUTURECEM black 207.



Troldekt v-line 1way 10, black 207.



Troldekt v-line 2way 10, white 101.

# Troldtekt® v-line 1way

Troldtekt v-line 1way gives you a ceiling with discreet longitudinal grooves cut into the surface. The result is a characterful look.

Half v-shaped grooves cut into the panel's longitudinal edges create an extra v-shaped groove when two panels are installed side by side. The ends of the panels are square-edged and therefore flush when installed for a clean and smooth finish.

Troldtekt v-line is 25 mm thick, unlike the other Troldtekt design solutions which measure 35 mm. You can choose whether the individual panels should be fabricated with six or ten grooves.

If greater flexibility is needed during installation, or for a cleaner finish along the walls, you can combine Troldtekt v-line 1way panels with Troldtekt v-line blank panels. The v-line blank panel has exactly the same dimensions and edge design, but without any v-shaped grooves on the actual panel surface.

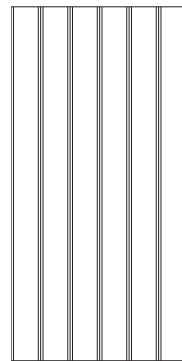


Troldtekt v-line 1way 6 installed in horizontal broken bond pattern.

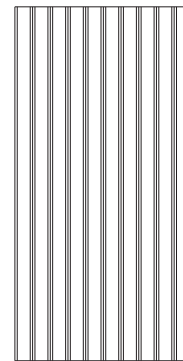


Troldtekt v-line 1way 6 installed in vertical broken bond pattern.

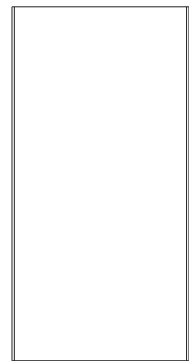
Troldtekt v-line  
1way 6



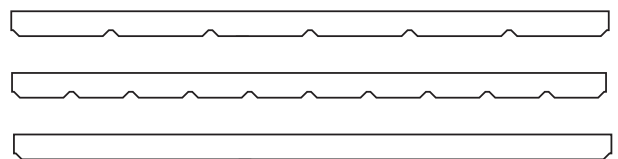
Troldtekt v-line  
1way 10



Troldtekt v-line  
1way blank



Troldtekt v-line 1way 10 installed in vertical stretcher bond with Troldtekt v-line 1way blank along the sides.



Cross-section of Troldtekt v-line 1way 6, v-line 1way 10 and v-line 1way blank. Panel dimensions: 25 x 600 x 1200 mm.



# Troldtekt® v-line 2way

Troldtekt v-line 2way gives you a ceiling surface with discreet longitudinal v-shaped grooves supplemented with transverse grooves where the panel ends meet. The result is a stylish and characterful look.

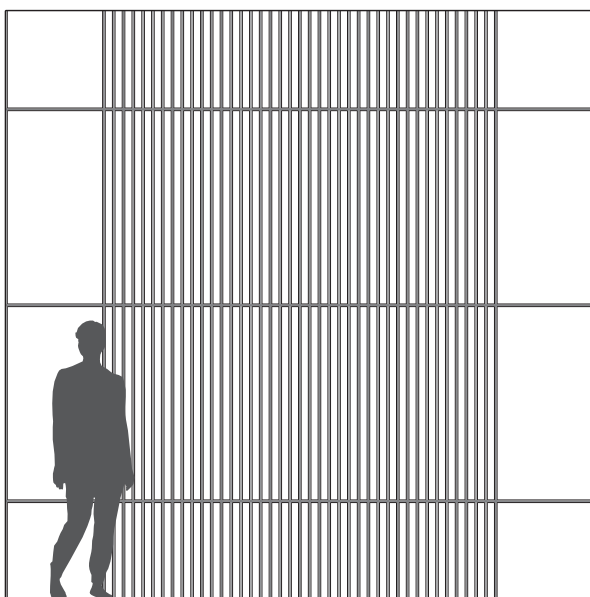
Half v-shaped grooves are cut along all four edges of each panel so that extra v-shaped grooves are created when two panels are installed side by side. It creates a contiguous surface with a pattern which stands out – especially when white or natural-coloured panels are chosen.

Troldtekt v-line is 25 mm thick, unlike the other Troldtekt design solutions which measure 35 mm. The panels can be fabricated with six or ten grooves.

If greater flexibility is needed during installation, or for an easier and calmer finish along the walls, you can combine Troldtekt v-line 2way panels with the panel type Troldtekt v-line blank. The v-line blank panel has exactly the same dimensions and edge design, but without any v-shaped grooves on the actual panel surface.

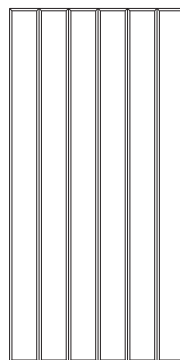


Troldtekt v-line 2way 6 installed in horizontal stack bond.

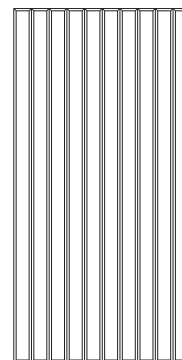


Troldtekt v-line 2way 10 installed in vertical stack bond with Troldtekt v-line 2way blank along the sides.

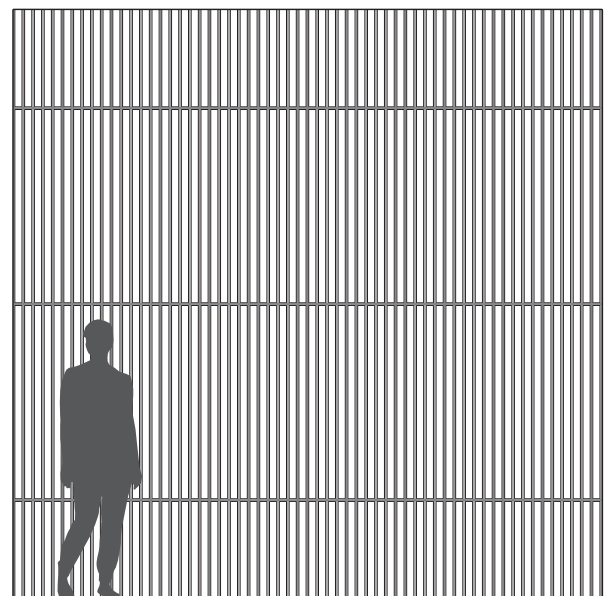
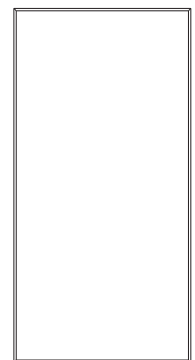
Troldtekt v-line 2way 6



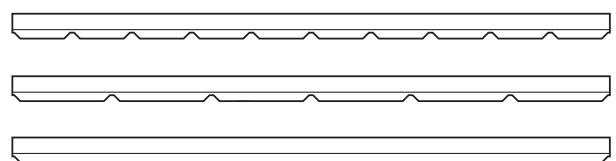
Troldtekt v-line 2way 10



Troldtekt v-line 2way blank



Troldtekt v-line 2way 10 installed in vertical stack bond.



Cross-section of Troldtekt v-line 2way 6, v-line 2way 10 and v-line 2way blank. Panel dimensions: 25 x 600 x 1200 mm.



# Show house with design solution

The newly opened Byg & Nyt exhibition outside Herning in central Jutland, Denmark, showcases nine different modern homes. This year, ide-huse® has built a new house that has been fitted out with Trolldtekt v-line, which is particularly suitable for residential properties.



## Discreet ceilings

In this modern home, great emphasis has been placed on creating a sense of continuity between all the rooms and thus an architecturally coherent result. At the same time, good acoustics are crucial in modern homes without many sound-absorbing surfaces. For the show house, the choice fell on Trolldtekt v-line 1way 10, which is a white, ultrafine panel. The v-shaped grooves introduce attractive lines to the rooms, while the uniformity of the ceiling surfaces helps tie all the rooms together. V-line has v-shaped grooves cut into the panel, and is a more discreet design solution than Trolldtekt line, which is used for a more distinctive look.

ide-huse® is an experienced Danish building company which understands the needs and wishes of potential home-buyers. Their 181-square-metre Funkis/atrium show house combines a practical approach to living with aesthetically designed interiors and exteriors. All the materials have been carefully chosen with quality as the overriding priority. On stepping in, the open entrance hall is partitioned off by a New Yorker glass wall which supports the sense of openness. The living areas are grouped in the middle of the house from where there is access to a private courtyard. The master bedroom and the children's bedrooms are placed at opposite ends of the house, each with their own bathroom.







# Freedom to design characterful spaces

Troldtekt v-line allows you to combine good acoustics and a healthy indoor climate with an elegant look. The different variants of v-line offer a high degree of design freedom.

We spend the vast majority of our lives indoors. Therefore, it is important that the indoor climate is comfortable for our eyes, ears and health. Troldtekt's design series Troldtekt v-line 1way and 2way makes it possible to combine good acoustics, a healthy indoor climate and characterful design.

Troldtekt v-line 1way creates a calm ceiling surface with long, uninterrupted lines reminiscent of wooden strip ceilings. When you choose 2way, the longitudinal grooves are broken by transverse grooves where the panel ends meet. White or natural wood/natural grey 2way panels create a particularly characterful pattern that stands out clearly in the room.

To produce the acoustic panels we use white cement for Troldtekt natural wood panels. Alternatively, you can order the panels spray-painted at our factory in one of our standard or custom colours.

In addition to the direction of the grooves and the choice of colour, the number of grooves in each Troldtekt v-line panel also influences the final look. In rooms with a relatively low ceiling height, the panels with 10 grooves help to create an attractive finish. The six-groove variant, where the distance between the grooves is greater, stands out more clearly in larger rooms with higher ceilings.

The possibilities are endless – and the choice is yours.

Fladbrohus Langaa, Denmark. Troldtekt v-line 1way with 10 grooves based on FUTURECEM black 207 →



## Cement type with reduced carbon footprint

Troldtekt v-line is also available in variants based on the reduced carbon cement FUTURECEM™.

FUTURECEM exploits the synergies between calcined clay and limestone filler which gives the acoustic panels a slightly warmer hue compared to when traditional grey cement is used.

Troldtekt based on FUTURECEM has reduced carbon footprints that are 26 and 38 per cent lower than Troldtekt based on grey and white cement, respectively, measured throughout the entire life cycle of the acoustic panels.





## Holiday home, Frederiksværk, Denmark

In a scenic area between Zealand's north coast and Denmark's largest lake, Arresø, Cirkulært Byggeri has built a holiday home that serves as a pilot project for future homes.

**Project:** Holiday home, pilot project in Frederiksværk, Denmark

**Architect:** André Bøgelund Jahn

**Client:** Cirkulært Byggeri ApS, owned by André Bøgelund Jahn

**Troldtekt solution:** Troldtekt v-line 1way, based on FUTURECEM black 207

## Sand & Lundgaard Arkitektfirma, architect firm, Denmark

The architects Sand & Lundgaard, based in Grindsted in Jutland, have moved to more spacious premises, where they have been able to have a say in the interior design and showcase their approach to modern architecture.

**Project:** Sand & Lundgaard Arkitektfirma

**Architects:** Sand & Lundgaard Arkitektfirma

**Client:** Sand & Lundgaard Arkitektfirma

**Troldtekt solution:** Troldtekt v-line 1way, based on FUTURECEM black 207





## Troldtekt A/S, showroom in Copenhagen, Denmark

At Troldtekt's showroom in central Copenhagen, a wide range of acoustic solutions are on display. Experience, for example, Troldtekt based on the cement type FUTURECEM and the entire range of characterful design solutions, including Troldtekt v-line.

**Project:** Troldtekt A/S, showroom in Copenhagen, Denmark

**Architects:** Spacelab Arkitekter

**Client:** Troldtekt A/S

**Troldtekt solution:** Troldtekt v-line 1way, grey 208

## CEBRA Architecture, architect firm, Denmark

CEBRA has refurbished its offices in Aarhus, and selected the design solution Troldtekt v-line. They have also used the cement type FUTURECEM, which has an approximately 30 per cent lower carbon footprint than traditional cement during the manufacturing phase.

**Project:** Refurbishment of CEBRA Architect design studio

**Architects:** CEBRA

**Client:** CEBRA

**Troldtekt solution:** Troldtekt v-line 1way, based on FUTURECEM black 207





# Trolldtekt® design solutions

Trolldtekt v-line 1way and 2way are new products in Trolldtekt's design series. This original series of design solutions has received a string of awards and distinctions.

Trolldtekt design solutions offer considerable freedom to combine good acoustics and a healthy indoor climate with a distinctive look. You can design your own patterns and rhythms – and vary and scale the individual design solutions.

The design solutions are industrially produced with, for example, grooves cut into the surface, patterns or special dimensions. All the solutions are designed to create the experience of ceilings or walls as large unbroken surfaces. It's not about the panel but the surface.



## Troldekt® v-line – awards and distinctions



### German Design Award 2023

Troldekt v-line was one of the winners of the prestigious German Design Award 2023. The acoustic panels received the award in the Excellent Product Design – Building and Elements category.



### Iconic Awards 2023

The design solution Troldekt v-line was one of the winners at the ICONIC Awards 2023: Innovative Interior. The German Design Council is behind the prestigious design award.

## GOOD ACOUSTICS SINCE 1935

At Troldtekt, we are committed to ensure good acoustics and contribute to a good indoor climate in buildings. We are driven a passion for people and the planet.

Since 1935, we have been producing Troldtekt acoustic panels made from Danish wood and cement. We design, develop and manufacture the panels at our high-tech factory in Denmark.

### We make a difference you can hear

Troldtekt contributes to acoustic comfort in most types of architecture – in many countries around the world. Our acoustic panels clad ceilings and walls in offices, businesses, schools, childcare institutions, cultural venues, sports facilities, swimming pools and private residences. Wherever Troldtekt is used, we make a difference you can hear.

### We recognize the value of high quality

We understand that quality materials are essential for future-proofing the architecture. Troldtekt acoustic solutions contribute to distinctive buildings that last. We are ambitious and work continuously to develop even better solutions while remaining competitive.

### We take responsibility

For us, it is important to work holistically with people and environment in all aspects of our business. That's why the Cradle to Cradle Certified® design concept is a key part of our business strategy. The concept's three basic principles are to eliminate waste, transition to renewable energy and support diversity. At Troldtekt, this translates into initiatives that focus on the environment, society and business.

### We are part of an ambitious group

Since 2022, Troldtekt has been part of the Kingspan Group, a listed Irish building materials company with operations in more than 80 countries. With its Planet Passionate programme, Kingspan has set ambitious climate goals. By 2030, Kingspan will be a zero-waste-to-landfill company with carbon-neutral production with no net emissions.



Visit Troldtekt online for more inspiration:



#troldtekt  
#goodacoustics



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