

# Trolldtekt® floating acoustic clouds

## Technical data

### TROLDTEKT® FLOATING ACOUSTIC CLOUDS

Trolldtekt floating acoustic clouds is an installation method for suspended acoustic panels within a defined area.

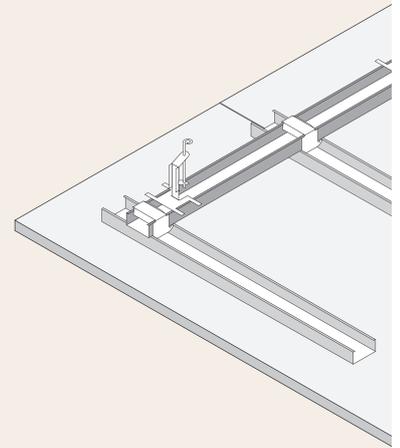
Most Trolldtekt panels can be used for a clouds installation. The clouds installation is the perfect choice for rooms where it is not possible or appropriate to install a suspended acoustic ceiling across the entire ceiling surface.

Floating acoustic clouds are an effective and flexible acoustic solution which can be dimensioned as desired. This allows a great deal of freedom with regard to the interior design and architectural look while achieving an impressive acoustic effect, because the suspended Trolldtekt clouds absorb sound on both sides of the panels.

Floating acoustic clouds are characterized by their simple and stylish design, with suspended C60 profiles on the back. As the profiles sit well away from the edges, only the ceiling surface and the thin edge of the Trolldtekt acoustic panels are visible.

All standard Trolldtekt panels can be used for clouds and are available in natural wood/natural grey (FUTURECEM™) or painted in our standard colours. Custom-painted panels can also be supplied, painted in an RAL or NCS colour of your choice. All Trolldtekt cement-bonded wood wool products in natural wood/natural grey and standard colours are Cradle to Cradle-certified at Gold level.

The Trolldtekt panels for clouds are available in fire class B-s1,d0 or A2-s1,d0.



### PRODUCT STANDARDS, LABELLING AND CERTIFICATION

#### CE marking

Within the EU, all building materials are legally required to be CE-marked. The CE mark indicates that the building material can be legally sold and that it complies with the product standard to which the mark refers. Trolldtekt products are CE-marked, and in addition to the marking we state:

#### Name of producer:

Trolldtekt A/S

#### Certifications

0615-CPR-222958G

0615-CPR-80474G

#### Product standard number:

EN 13964:2014

#### Declaration:

See product data on page 2

#### Other approvals

**Cradle to Cradle:** Trolldtekt is Cradle to Cradle-certified at Gold level. Trolldtekt acoustic panels are documented as being free of harmful substances and can therefore safely be returned to the biological cycle. Additionally, waste from the production of Trolldtekt acoustic panels is returned to the technical cycle and used as a resource in new cement at Aalborg Portland.



**Indoor climate labelling:** Trolldtekt is indoor climate-labelled in the best degassing and particle release categories.



**M1 classification:** Trolldtekt is M1-classified by the Finnish Building Information Foundation RTS sr. This is the best category, and means that the panels have an extremely low emissions level for volatile organic compounds (VOC).



**Blue Angel:** Trolldtekt is eco-labelled under the German Blue Angel eco-labelling scheme, which guarantees that the product has a low impact on the environment and the climate and meets high standards for health protection.



**PEFC and FSC™:** Trolldtekt is PEFC (PEFC/09-31-030)- and FSC™ (FSC™ C115450)-certified, which means that all our products are manufactured using wood from responsible forestry operations and other controlled sources.



We recommend that you consult the technical data for individual Trolldtekt products via our website – please scan QR codes on page 2.

## OPERATION AND MAINTENANCE

Trolldtekt panels usually require no subsequent care. However, we recommend regular cleaning along with other surfaces – and otherwise as required. The panels are easy to clean using a vacuum cleaner with a brush nozzle. If vacuum-cleaning is not sufficient, the panels can be

wiped with a slightly damp cloth. If you subsequently want to paint the Trolldtekt ceiling, you can use a hand sprayer. Water-based paint does not reduce the sound-absorbing properties of the panels.

## REUTILISATION

All Trolldtekt clouds can be separated into cement-bonded wood wool and metal parts. Cement-bonded wood wool products can be composted and returned to nature as a soil conditioner. The cement

in Trolldtekt panels has a high lime content, which helps to neutralise the acids produced during composting. The wood in the Trolldtekt panels is organic material, and helps to prevent the compost from

compacting, thereby enhancing oxygenation during the composting process. In this way, carbon and nutrients are recirculated in the biological cycle.

## TOLERANCES

Trolldtekt consists of the natural material wood, and cement extracted from Danish mineral resources. The mix of natural materials – wood wool and cement – inevitably results in slight variations in the panels. Pa-

nel dimensions remain inside the tolerance indicated at 23+/-2°C and 50+/-5% relative humidity. However, inappropriate storage and lack of acclimatisation can affect the dimensions and weight of the panels. The-

refore, it is important to carefully follow the installation, storage and acclimatisation instructions.

## PRODUCT DATA

This overview indicates the products available for use as a floating cloud system.

The panels are CE marked according to EN 13964:2014.

### Trolldtekt acoustic panels

Please find the technical data for Trolldtekt acoustic panels by scanning this QR code



### Trolldtekt A2

Please find the technical data for Trolldtekt A2 panels by scanning this QR code



### Trolldtekt design

Please find the technical data for Trolldtekt design panels by scanning this QR code



This document reflects Trolldtekt's knowledge of certifications, standards, and products at the time of publication.

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The most recent version can be found online by scanning the QR code.

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