

Trolldtekt[®] A2 acoustic panels

Data sheet applying to 15 mm panels

THE PRODUCT – TROLDTEKT A2

Trolldtekt A2 are cement-bonded wood wool panels made from wood and cement. The product consists of wood (spruce) which is shredded into wood wool and mixed with cement.

We offer FSC[®] (FSC[®] C115450)-certified spruce. FSC certification ensure that the wood comes from responsible forestry operations and other controlled sources.

As Trolldtekt consists of the natural material wood - in combination with cement extracted from Danish mineral resources - colour variations will occur for panels in natural wood and natural grey

(FUTURECEM[™]). To achieve an even distribution of the colour tones, we recommend mixing the panels during installation.

Among the factors affecting colour variations are water/ cement ratio, water content of the wood, drying rate, steam curing and curing moisture.

PRODUCT STANDARDS, LABELLING AND CERTIFICATES

CE marking:

CE marking of building materials is required by law in the EU. The CE mark indicates that the building material in question can be legally sold and is in correspondence with the product standard to which the mark refers.

Trolldtekt products are CE marked and in addition to the marking, we state:

Name of the producer:
Trolldtekt A/S

Certificate numbers:
0615 – CPR – 222958G
0615 – CPR – 80474G

Product standard number:
EN 13168:2012+A1:2015 and EN 13964:2014

Declaration:
See product data on page 2

USE AND MAINTENANCE

Trolldtekt panels usually require no subsequent care. However, we recommend regular cleaning along with other surfaces – and otherwise as required.

Light cleaning of the panels is easy using a vacuum cleaner with a brush nozzle. Should vacuum-cleaning prove insufficient, you can wipe the panels using a lightly damp cloth.

If you subsequently want to paint the Trolldtekt ceiling, you can use a hand sprayer. For smaller surfaces or when freshening up paint of the same colour, apply the paint thinly using a suitable paint roller.

Water-based paint will not reduce the sound-absorbing performance of the panels.

RECYCLING

The entire range of Troldekt cement-bonded wood wool panels are Cradle to Cradle-certified in the gold category.

TOLERANCES

It is important to note that Troldekt consists of the natural material wood - together with cement extracted from Danish mineral resources. The very nature of this material composition will incur small variations in the panels. Panel dimensions remain inside the tolerance indicated at 23 +/- 2°C and 50 +/- 5% relative humidity.

However, inappropriate storage and lack of acclimatisation could alter panel dimension and weight. It is therefore important that you observe the installation, storage and acclimatisation instructions carefully.

PRODUCT DATA

The table below indicates the tolerances declared by us in accordance with EN 13168:2012+A1:2015, the standard for cement-bonded wood wool and double-layer panels with cement-bonded wood wool, and EN 3964:2014, the standard for suspended ceilings.

Properties:

DIMENSIONS

| | |
|----------------|----------|
| Width (mm) | 600 |
| Length (mm) | 600/1200 |
| Thickness (mm) | 15 |

Weight (kg/m²)

| | |
|-----------|-----|
| Fine | 8.3 |
| Ultrafine | 8.3 |

TOLERANCES

| | |
|-------------------------|------|
| Width (mm) | ±1.0 |
| Length (mm) | ±1.0 |
| Thickness (mm) | ±1.0 |
| Perpendicularity (mm/m) | ±≤2 |

FIRE

| | |
|------------------|----------|
| Reaction to fire | A2-s1,d0 |
|------------------|----------|

SUBSTANCES

| | |
|--------------|--------|
| Chloride % | ≤ 0.06 |
| Formaldehyde | E1* |

STANDARD

| | |
|-----------------------------|---------------------------------------|
| Declared in accordance with | EN 13168:2012+A1:2015 EN 3964:2014 |
|-----------------------------|---------------------------------------|

* No measurable formaldehyde emission



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

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