

Troldtekt® acoustic panels

Data sheet applying to 15 mm panels

THE PRODUCT – TROLDTEKT ACOUSTIC PANELS

Troldtekt 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 PEFC™-certified or FSC®-certified Norway spruce (FSC® C115450). FSC certification guarantees that the wood comes from responsible forestry operations.

As Troldtekt consists of the natural material wood - in combination with cement extracted from Danish mineral resources - colour

variations will occur for panels in natural wood. 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. Troldtekt products are CE marked and in addition to the marking, we state:

Name of the producer:
Troldtekt A/S

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

Product standard number:
EN 13168 and EN 13964

Declaration:
See product data on page 2

Indoor climate certification:

Troldtekt is certified to the best indoor climate categories by the Danish Indoor Climate Labelling (Dansk Indeklima Mærkning).

Light reflection:

Light reflection for different types of Troldtekt panels (measured by DELTA Light and Optics):

Troldtekt white 101	70.8%
Troldtekt light natural	55.2%

USE AND MAINTENANCE

Troldtekt 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 Troldtekt ceiling, you can use a hand sprayer. Water-based paint will not reduce the sound-absorbing performance of the panels.

RECYCLING

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

TOLERANCES

It is important to note that Troldtekt consists of the natural material wood - together with cement extracted from Danish mineral resources. The very nature of the material composition - wood wool and cement - will incur small variations in the panels. Panel dimensions and weights 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, the standard for cement-bonded wood wool and double-layer panels with cement-bonded wood wool, and EN 13964, the standard for suspended ceilings.

Properties:

DIMENSIONS

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

Weight (kg/m²)

Fine	7.2
Ultrafine	7.2

TOLERANCES

Width (mm)	±1.0
Length (mm)	±1.0
Thickness (mm)	±1.0
% by weight	±10
Perpendicularity (mm/m)	±≤2
Planeness (mm)	±≤3

FIRE

Reaction to fire	B-s1 ,d0
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SUBSTANCES

Chloride %	≤ 0.06
Formaldehyde	E1*

INDOOR CLIMATE

Degassing	10 days
Particle release	Low

STANDARD

Declared in accordance with	EN 13168 EN 13964
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* No measurable formaldehyde emission

Troldtekt A/S
Sletvej 2A
DK - 8310 Tranbjerg J
Tel. +45 8747 8100
info@troldtekt.dk
www.troldtekt.com