

Trolldtekt® A2 Plus

Data sheet

PRODUCT – TROLDTEKT A2 PLUS

Trolldtekt A2 Plus is a double-layer panel made from one 25 mm or 35 mm layer of Trolldtekt acoustic panel and one 20 mm (or 40 mm) layer of mineral wool. The mineral wool panel is covered with non-woven material, and the two panels are glued together with a non-toxic PVA adhesive.

Trolldtekt A2 Plus is also available in a version with a 15 mm, 25 mm or 35 mm Trolldtekt panel glued to a thin layer of acoustic fleece.

Trolldtekt acoustic panels are cement-bonded wood wool panels. The product consists of the natural material wood (spruce) which is shredded into wood wool and mixed with cement. We offer PEFC (PEFC/09-31-030)-certified or FSC® (FSC® C115450)-certified Norway spruce. Both certifications ensure that the wood comes from responsible forestry operations and other controlled sources.

Trolldtekt can be surface-treated, but is often used untreated. Due to the nature of the material, colour variations may occur with natural wood and natural grey (FUTURECEM™). To achieve an even distribution of the colour tones, we recommend mixing the panels during installation.

Factors affecting colour variations include the water/cement ratio, the water content of the wood, the drying rate, steam curing and curing moisture.

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 13168 and EN 13964

Declaration:
See product data on page 2

Other approvals

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. Customers can choose whether they want their Trolldtekt acoustic panels to be FSC or PEFC-certified.



Light reflection: Light reflection for different types of Trolldtekt panels (measured by Teknologisk Institut, Denmark) can be found on Trolldtekt's webpage. Please follow the link or scan the QR code.

trolldtekt.com/web-tools-downloads/download-materials/light-reflectance-values



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. If vacuum-cleaning is not sufficient, you can wipe the panels

using a well wrung cloth. If you subsequently want to paint the Trolldtekt ceiling, you can use a hand sprayer.

Water-based paint will not negatively impact the sound-absorbent properties of the panels.

RECYCLING

All Troldekt cement-bonded wood wool (one-layer panels) can be composted and safely returned to nature as a soil conditioner.

The cement in Troldekt's acoustic panels boosts oxygen levels during the composting process, while the wood adds organic material to the compost.

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 the material composition - wood wool and cement - 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, 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)	600/1200/2400								
Thickness (mm)	15	25	35	35	45	55	55	65	75
	(15+0,35)	(25+0,35)	(35+0,35)	(15+20)	(25+20)	(35+20)	(15+40)	(25+40)	(35+40)

Weight(kg/m²)

Fine	8,3	13,1	17,1	10,1	14,9	18,9	11,1	15,9	19,9
Ultrafine	8,3	13,2	17,6	10,1	15	19,4	11,1	16	20,4
Extreme fine	-	13,3	17,8	-	15,1	19,6	-	16,1	20,6

TOLERANCES

Length (mm)	> 1250 : ±2,0 ≤ 1250 : ±1,0
Width (mm)	±1,0
Thickness (mm)	Length > 1250 : ±2,0 Length ≤ 1250 : ±1,0
Perpendicularity (mm/m)	± ≤ 2

FIRE

Reaction to fire	
Acc. to EN 13501-1	A2-s2,d0

SUBSTANCES

Chloride %	≤ 0.06
Formaldehyde	E1*

STANDARD

Declared in	EN 13168
accordance with	EN 13964

* No measurable formaldehyde emission



This document reflects Troldekt's knowledge of certifications, standards, and products at the time of publication. No rights can be derived from this document. Changes, typesetting and printing errors reserved.

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

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