



Ceilings using Träullit Akustik



Bygg med naturlagarna

Träullit Akustik

– So Natural It Shows



A material close to nature

This unpolished and natural wall material, without a glued-on and easily damaged surface layer, shows the consistency of Träullit Akustik. Simple and natural throughout.

The board is manufactured out of wood-wool, cement and pure water. That is all - no unproven or unnatural ingredients are added. This simple formula has turned Träullit Akustik into a real classic with many excellent properties. The formula is from 1908 and has proved so successful that it has not had to be modified since that time.

During manufacture negligible amounts of air pollutants are emitted. When deposited they form a desirable addition of calcium and do not constitute an environmental hazard

Environment and useful life

Träullit Akustik assures a positive indoor environment and it solves many technical problems. Therefore it is used in the most varied of environments with high functional demands regarding sound, flame protection and durability. Although in many cases it is just the appearance that is important, the choice is often a matter of coordinating aesthetic and functional requirements with the ambition to build in a way not harmful to the environment. The binding material of the board is cement. This provides strength, long life and, in some cases, also the possibility to re-use dismantled boards. Träullit Akustik, therefore, contributes to a sound environment when manufactured, when in use and when it is scrapped after its long long life

Damp resistant and damp regulating

Träullit Akustik is resistant to damp and will absorb and emit moisture without being damaged. Tests show that the high pH value of the material counteracts mildew. The boards also contribute to levelling out the humidity of a room by absorbing and emitting moisture in balance with the air. This contributes to an agreeable indoor climate. Positive for comfort and well-being. In this way the deposit of moisture on other surfaces is reduced as is their emission of moisture.



Good soundproofing properties

Because of its light structure the board is highly sound-absorbent. A number of sound absorbent measurements have been taken at the SP Acoustics Laboratory, and these are presented in the document "Technical Building Instructions."

In public premises it is customary to use hard surface materials in view of the risks for damage and wear. The sound and strength properties of Träullit Akustik speak for themselves.

The boards can be re-painted many times without the sound proofing properties being affected, which is unique.

Emission and dust

Tests at the SP Laboratory show that emission from Träullit Akustik is extremely low. The impact resistant surface will stand vacuum cleaning during its lifetime.

Countless examples of applications in restaurants and other sensitive environments show that the boards themselves do not emit dust or other particles.






Fire

Träullit Akustik is officially approved as protective against fire class 1.30 millimetres Träullit Akustik together with 13 millimetres of plaster is approved to standard EI 30 for systems of joists.

Summary

- Secure and well proven combination of materials
- Robust and durable
- Sound absorbent (also after re-painting)
- Fire proof
- Damp proof and air damp regulating
- Extremely low emissions

Summary of assortment

Trällit Akustik boards			Installation	
Edge finish/size	thickness in millimetres			
	25	50		
Edge A (RK) 600 x 600 mm 600 x 1200 mm 600 x 2400 mm	•	•	Straight edge on 4 sides  Open or "tight" joint	<ul style="list-style-type: none"> concealed wooden or steel framework hung in aluminium profiles with cast cement (with butt joint 50 mm thickness). See sep. instructions.
Edge B (FK) 600 x 600 mm 600 x 1200 mm 600 x 2400 mm	•	•	Bevelled edge on 4 sides  Open or "tight" joint	<ul style="list-style-type: none"> concealed wooden or steel framework with cast cement. See sep. instructions
Fit-in board IL-A 593 x 593 mm 593 x 1193 mm	•	•	Straight edge 	<ul style="list-style-type: none"> hanging in modular structure T-35 is recommended
Fit-in board IL-E 593 x 593 mm 593 x 1193 mm	•■	•■	Bevelled edge 10 mm 	<ul style="list-style-type: none"> hanging in modular structure T-24 is recommended
Corridor panelling 600 x L L max 2400 mm (Thickness 45 millimetres including profile)	•		Bevelled or straight edge on long sides 	<ul style="list-style-type: none"> supported along short sides

■ Surcharge.

Accessories

Well tested profiles, modular supports, pendulum and screws are available.

Planning and mounting

Sound diagrams, design solutions and more detailed instructions will be found in "Technical building directions, T-acoustics" (Byggteknisk anvisning T-akustik), publication number 115.

Colour

Surface colour according to closest NCS colour sample

Natural colours, unpainted

100 cement grey	4502-Y
200 wood, unpainted	1005-Y20R

Factory applied standard colours

201 white, painted on wood	0500
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Optional special paint according to NCS may be ordered

Wood-wool boards are also available as self-supporting elements, see outer roofing, see part 6 in the binder.

TRÄULLIT

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