

KEEP AND RENEW WOOD WOOL CEILINGS WITH ACOUSTIC PLASTER



This ERFA sheet describes how existing wood wool ceilings can be renewed with Hz Acoustic Plaster 09, without stripping out, without compromising the acoustics and at a lower cost than new ceilings.

Preserve the acoustics, renew the look

Many buildings have wood wool ceilings that still perform well acoustically but have become worn or uneven in appearance over time. Rather than stripping out and replacing the ceiling, it can be upgraded in place, with respect for cost, function and use of resources.

Renovating rather than replacing offers a number of benefits:

- No stripping out of existing ceilings
- No waste handling or landfill
- A cost-effective solution compared with new ceilings
- A calmer, more uniform surface finish
- The option of future maintenance and refreshing
- Preserves, and often improves, the acoustics, unlike conventional paint

The solution extends the service life of existing materials and reduces the need for demolition. A responsible choice for both renovation and conversion projects.

Acoustics: the most important thing to preserve

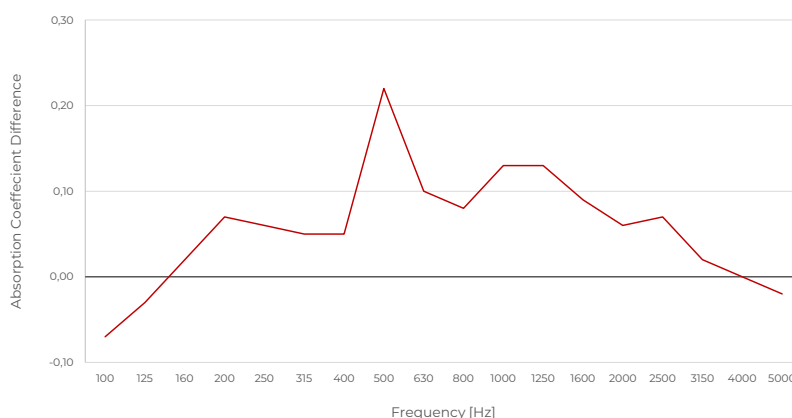
Wood wool was originally chosen for its sound-absorbing properties. Over time, repeated repainting can close up the material and impair its sound absorption. Once the pores are closed, the original acoustic performance cannot be restored.

Hz Acoustic Plaster 09 upgrades the ceiling visually without reducing its existing acoustic performance.

Documented before and after measurements show unchanged, and in some cases slightly improved, absorption.

The result is a refreshed, harmonious ceiling where function and aesthetics go hand in hand.

Sound measurement of Hz Acoustic Plaster 09 on a wood wool ceiling:



The graph shows the change in sound absorption when Hz Acoustic Plaster 09 is applied to a wood wool ceiling, compared with an untreated wood wool ceiling. Positive values indicate improved sound absorption with plaster. The measurement shows that absorption improves across most of the speech frequency range (approx. 250–2000 Hz). The greatest improvement is around 500 Hz, where sound absorption rises markedly.

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The solution in practice

Hz Acoustic Plaster 09 is a textile-based acoustic plaster that is sprayed directly onto the existing wood wool ceiling. The surface looks uniform and refreshed, while the ceiling's architectural character is retained.

Joints between panels and the junction between wall and ceiling are sealed with an overpaintable, UV-resistant sealant for a durable, clean finish.

The total quantity of material and the build-up are adapted to each project and depend on factors such as:

- The condition and absorbency of the existing ceiling
- The texture and wear of the surface
- The desired change of color
- Requirements for finish and visual uniformity

Work process

Each renovation is planned case by case but typically follows this process:

1. Survey and assessment of the existing ceiling
2. Light cleaning and minor repairs as required
3. Application of Hz Acoustic Plaster 09 in 2-3 coats
4. Drying time of approx. one day, depending on temperature and ventilation

The ceiling then looks renewed and can be maintained as required.

Colors and visual options

The ceiling can be color-matched to the architecture and interior of the project. Digital visualizations can be prepared so that the expected result can be assessed before work begins.

A new look without losing function

With Hz Acoustic Plaster 09, existing wood wool ceilings can be given a new lease of life without compromising on acoustics, cost or sustainability.

A simple upgrade with a big impact, from 26 EUR/m² excl. VAT.

Examples of Hz Acoustic Plaster 09 on wood wool ceilings:

