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# DETAIL

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Concept



## New non-flammable wood

Formulated from natural gypsum and recycled cellulose fibre, Resap is a new core material that is both non-flammable and contains no added formaldehyde. It provides an excellent sustainable solution when absorptive wood panelling is required and can also be used in non-acoustic applications. Resap is non-toxic and non-flammable, and is therefore suitable for all acoustic applications in the form of Topakustik grooved planks and panels, and Topperfo perforated panels. The density and high consistency of this core material makes it suitable for ceiling and wall applications as well as in sound-absorbing cabinet doors.

A non-veneered Resap board is 16 mm thick, 3,080 mm long and 1,240 mm wide. The board is natural grey but it is dyed in a brown-beige wood colour for veneer applications and is suitable for high-end furniture grade painted or veneered finishes. Light wood veneers complement the core colouring, and because of this wood shade colouring, in certain cases the application of veneered edges is not required. Resap is available in all wood veneer species, with or without veneered edges. And its painted or veneered planks and panels are mounted with conventional mounting systems for interior applications.

The planks use a tongue and groove connection, while for T-bar installation, the planks contain an additional groove, which connects a special metal turning clip to the T-bar. For walls, the planks can be attached by stapling to wall battens. For ceiling applications with Topakustik Z or G profile suspension grid systems, wall applications are accomplished with standard Z bar or wood cleats.

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## Natural sound insulation

South-Tyrolean timber processor Holteg's new product "Lenofon" is a noise-absorbing ceiling and wall covering for use in new and restored buildings. The acoustic elements, which are made out of fine-textured spruce, are both high quality and environmentally friendly. The solid-wood panels are finger-jointed and consequently knotless and flawless.

The surface can have a natural, sober brushed structure or can be coloured in biological dyes on request. In combination with the environmentally-friendly insulating materials hemp and wood fibreboard, Lenofon achieves high acoustic values and consequently increases the "audible" feel-good factor. Moreover, the combined insulating layer in addition to absorbing sound also provides additional heat insulation.

Lenofon ceiling and wall coverings, supplied in the standard size of 2600 x 177.5 x 33 mm, can be mounted onto any new or existing sub-frame. The acoustic covering complies with European fire reaction class D-s2,-d0. A flame-retardant version is also available on request.

The high-grade solid wood emits warmth and lends rooms a unique expressiveness. Walls with the slotted panels have a calm appearance, while the perforated design is visually livelier. The large number of covering types, including linear, square, undulated and asymmetrical coverings, offer architects and designers a great deal of design freedom.

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