



Green building that strikes the right note with Basotect® G +

Case Study

BASF is increasing its range of the melamine resin foam Basotect® with a grade offering improved ecological properties. The new grade is called Basotect® G+. With its extremely low emissions it meets the current human ecology requirements of the OEKO-TEX® Standard 100 in product class I for textiles with direct skin contact. The foam, which is used for sound absorption in buildings, is therefore classed as harmless to health in application and processing. This means that no harmful substances are absorbed through the skin on direct contact.

In addition to the proven properties of Basotect® G, such as low thermal conductivity, flame retardance and simple, mineral fiber-free processing, the new material also has advantages for interior decorators and designers. The light reflectance value of the considerably lighter Basotect® G+ is more than 30 % higher than that of the light gray Basotect® G. This makes it easier for example to plan interior decoration and lighting because the foam hardly absorbs any light and reflects it very well.

In order to determine its ecological profile, an independent test institute examined Basotect® G+ for potentially harmful substances such as heavy metals, prohibited azo dyes, formaldehyde, organic tin compounds, chlorinated benzenes and phenols, perfluorinated compounds and plasticizers. The emission of volatile organic substances was also checked in order to prevent that harmful substances have an undue impact on the air. The results for the new Basotect® grade were well below the limit values.

In the U.S., Basotect® G+ meets the tight requirements of the California Specification 01350 for materials in classrooms and offices, when 50 % of the ceiling is covered with panels made of Basotect® G+.

OEKO-TEX® Standard 100

The OEKO-TEX® Standard 100 is a globally uniform testing and certification system for textile raw materials, intermediates and end products for all processing stages which aims to completely eliminate any harmful substances. The tests for harmful substances include those prohibited or regulated by law, harmful chemicals and parameters to safeguard health. Testing is conducted by independent textile research and test institutes. The certificate can be identified by the slogan "Confidence in Textiles", the test number and test institute.

