



fibrolith[®]

Natürlich Holzwole

Healthy indoor air

Acoustic panels with indoor air cleaning effect





Fibro-Kustik PURE GENIUS™

Whether in kindergartens, schools, offices or at home – we spend most of our time in enclosed spaces. To protect our health, it is particularly important to have good air quality. Did you know that today furniture, toys and built-in materials still discharge contaminants into the ambient air?

The problem: Contaminants in the air

The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety of Germany writes on its website:

“Volatile organic compounds, commonly abbreviated as VOCs, can be found in every home (see also the results of the GerES German environmental health study). These are a large number of synthetic and natural substances, which discharge gases from various materials and products used in interior fittings and everyday items even at room temperature...”

They also include nitrogen oxides (NO_x), which pollute the air through emissions from motor vehicles or coal-fired power stations.

The idea: Photocatalysis

Ceilings are among the largest unused spaces in a building. Why don't we let them work for us and clean the indoor air? What works outside with roads, facades or roofs, Fibrolith acoustic panels can also do indoors. How? With photocatalysis... The use of photocatalysis to clean the air has been a state-of-the-art solution in many building materials in Japan for many years.

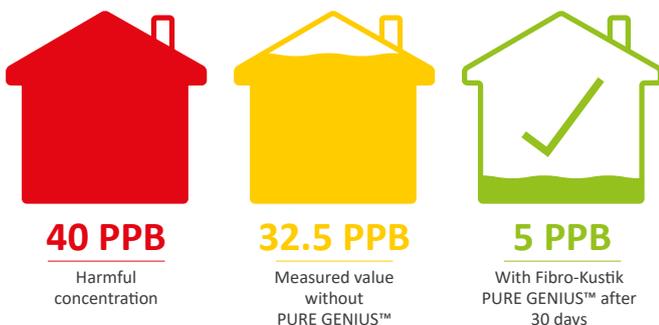
The solution: PURE GENIUS™

Sunlight, which shines through the windowpanes on to the ceiling – but also artificial light from lamps – activates the air-cleaning function of our **Fibro-Kustik PURE GENIUS™** panels. This means noxious gases such as VOCs (e.g. formaldehyde) and NO_x (e.g. vehicle exhaust emissions) are removed from the ambient air. In addition, odors (such as cigarette smoke or cooking smells) can be reduced. The risk of microbial infestation can also be significantly lowered. This ensures healthier indoor air.



Indoor air up to 85% cleaner

Level of formaldehyde



PPB = Parts per Billion

The test procedure: ISO 22197-1

The air cleaning effect was demonstrated in a certified test to ISO 22197-1 standard in a photo-reactor developed by Professor Bahnemann of Leibnitz University Hannover (Germany).

The panel types with PURE GENIUS™

All Fibro-Kustik acoustic panels are optionally available with the PURE GENIUS™ indoor air cleaning coating.

The panel: Fibro-Kustik PURE GENIUS™

- Acoustic board according to DIN EN 13168, WW DI dm / WI dm
- With indoor air cleaning effect
- General building approval: AbZ 2-23.15-1622
- Wood-wool, minerally bound
- Very good sound absorption values of α_w up to 1.0
- Non-flammable A2- s1, d0 as per DIN EN 13501-1
- Flame retardant B- s1, d0 as per DIN EN 13501-1
- Ecologically sound
- High vapor permeability
- Robust and resistant surface
- Impact resistance
- Easy installation
- Multiple applications
- Creative design
- Available in all RAL or NCS colors



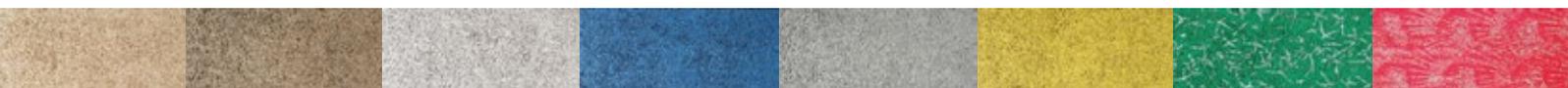
Promoting Sustainable Forest Management
www.pefc.co.uk



0761



www.blauer-engel.de/uz132





For further information and contact persons for your individual questions and requests, please visit www.fibrolith.de/en

11.2019

Fibrolith Dämmstoffe GmbH

An der L83
D-56746 Kempenich

Phone: +49 (0) 26 55 / 95 92-0
Telefax: +49 (0) 26 55 / 95 92-18
E-mail: info@fibrolith.de

