



Fluorine-free and halogen-free – an unbeatable team

HANNO declares the fight against PFAS and halogens



Further information: See back page



Others become green. We become free!

In accordance with our mission statement, we live responsibility and sustainability and put health first. Also and especially in the further development of our products.

With our Hanno®-Tect-F-free and Hanno®-PE 16 P HF foams, we are setting the course for the future and setting global standards. We don't just talk about sustainability, we act HERE and NOW!

- Do you want to construct sustainably?
- Do you want to construct **free** and not have to deal with ongoing ECHA bans?
- You don't want to leave a lasting impression on nature by using perpetual chemicals?
- You simply want to do things better?



With the environmentally friendly products from HANNO you simply drive better!

Then you are on the safe side with these products.
Here's some heavyweight arguments for our lightweights:

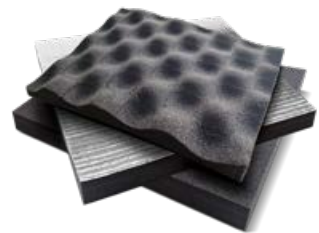
Hanno®-Tect-F-free



Reliably sound-absorbing, hydrophobic and completely PFAS-free: Hanno®-Tect-F-free is the optimum sound insulation for rail vehicles and heating, ventilation and air-conditioning technology - environmentally friendly, effective and equipped with outstanding fire protection!

- fluorine-free hydrophobization (free of PFAS)
- extremely light at approx. 10 kg/m³
- flame-retardant (EN 45545-2:2016 & 2020 HL2; with the AL18 variant even HL3)
- excellent sound absorption
- very good thermal conductivity (≤ 0.035 W/(m K))
- good chemical resistance
- permanent temperature resistance up to 150 °C
- various surface coatings possible

Hanno®-PE 16 P HF



A halogen-free, closed-cell and cross-linked polyolefin foam. The combination of halogen-free flame protection and a weight of just 16 kg/m³ takes the world of construction to the next level.

- halogen-free flame protection
- closed-cell and cross-linked
- extremely light at approx. 16 kg/m³
- very good fire behavior (EN 13501 class E / DIN 4102-1 class B2; UL 94 HF1*; with the AL 18 variant EN 45545-2 HL3)
- very good processing due to soft elasticity
- drainage function thanks to dimpled structure in the DRY variant
- good thermoformability
- very good chemical resistance and hydrolytic stability
- various surface coatings possible

