



Features

HPE Series – Superior Sound Insulation and Acoustic Performance

The **HPE Series** is a specialized sound insulation material with a **high-density and cross-linked amorphous cell structure**. This advanced composition effectively **blocks both airborne and impact noise**, making it an ideal solution for noise control in various applications.

Thanks to its **rubber-based, heat-cured production process**, the HPE Series offers significantly **higher mechanical durability** compared to standard PE-based materials. By **eliminating sound bridges**, it minimizes sound transmission between different spaces and enhances acoustic comfort. Additionally, its **high thermal insulation performance** contributes to thermal comfort and improves energy efficiency in buildings. The HPE Series is widely used in **construction, industrial applications, acoustic insulation projects, and professional sound studios**.

Product Data

Description	Acoustic Underscreed
Thickness (mm)	5-8-10
Roll Dimension (m)	1,4*20
Density	90 kg/m3(±%10)
Thermal Conductivity	0,034 W/mK
Elongation at Break	%134
Tensile Strength	1,45 N/mm2
Tensile Resistance	839 kPa
Capillary Water Absorption	%0
Fire Classification	E,d2 / B1-s1-d1
Op. Temperature Range	-20°C / +110°C

Acoustic Performance

Thickness (mm)	Impact Noise ΔL_w (dB)	Airborne Noise ΔR_w (dB)
5	21	31
8	23	38
10	26	43

