

EUROBATEX HF



Evaluation of the contribution to BREEAM prerequisites/credits, related to EUROBATEX HF product range



BREEAM Categories		BREEAM Requirements	Scores	EUROBATEX HF Compliance or contribution
Man 02	Life cycle costs and useful life planning	The credit requires an analysis of the cost of the life cycle and of the planning of the service life of the components and elements of the building in order to obtain their complete information throughout the life cycle.	3	<p>EUROBATEX HF life cycle information can be part of the building's LCC analysis. The following data may be useful for the study:</p> <ul style="list-style-type: none"> ● Service life: > 50 years as the service life of the plant systems and the building ● Technical considerations: insulation thicknesses are available for all type of piping, up to an external diameter of 139 mm, different insulation thicknesses; temperature range from -45 °C to + 130 °C ● Costs: expected only for the installation. No costs during use ● Comparison with natural rubber: better temperature resistance - less heat/cold losses and high constant quality
Hea 04	Thermal comfort	The credit requires analysis in order to assess that the internal environment maintains comfortable conditions for users of the building according to ISO 7730: 2005.	3	<p>EUROBATEX HF contributes to the energy performance of the building as part of the construction systems relating to the insulation of ducts and pipes. EUROBATEX HF contributes with a thermal conductivity $\leq \lambda$ 0,040 W/mK evaluated at 40 °C.</p>
Hea 05	Acoustic performance	The credit requires the achievement of specific acoustic requirements, by means of qualified technician for the design and post-construction phases.	4	EUROBATEX HF contributes as insulation material for plant components such as pipes and ducts, adding benefits to the acoustic insulation of energy systems.
Mat 01	Life cycle impacts	The credit requires an LCA study of the building to be carried out considering the contribution of the various construction materials used.	5	Useful data for life cycle assessment (LCA) can be found within the EPD certification. EUROBATEX HF range has an EPD type III product certification in accordance with the ISO 14025 standard.
		The credit requires that at least five products out of ten categories of materials, including insulating products, have Environmental Product Declaration (EPD). The EPD must comply with ISO 14025, ISO 21930 or EN 15804.	2	The use of EUROBATEX HF insulating material can help obtain credit. In fact, EUROBATEX HF is a product certified with EPD complaint with ISO 14025 and ISO 15804 standards.
Mat 03	Responsible procurement for buildings	Building materials must demonstrate a reliable origin by considering the entire supply chain and key production processes.	4	<p>EUROBATEX HF confirms the reliable origin of its materials by purchasing raw material from ISO 14001 certified suppliers for:</p> <ul style="list-style-type: none"> ● Supply chain process ● Key process (production of insulation material)
Mat 06	Material efficiency	In order to minimize the environmental impact, it is necessary to use more efficient materials during the design, procurement, construction, maintenance and end-of-life of buildings.	4	<p>EUROBATEX HF as part of the building's energy system has the following efficiency characteristics:</p> <ul style="list-style-type: none"> ● A service life of over 50 years ● It can only be damaged by extraordinary impacts or during installation ● Various packaging: suitable dimensions and type of packaging (2 m tubes, tubes and sheets). Packaging waste is reduced
Ene 01	Reduction of energy consumption and carbon emissions	The credit requires the design of buildings to minimise primary energy demand and CO ₂ emissions. An energy simulation is required to evaluate the energy consumption of the building.	15	<p>EUROBATEX HF contributes to the improvement of energy performance thanks to the optimal thermal conductivity of its products. EUROBATEX HF contributes with a thermal conductivity λ of 0,040 W/mK evaluated at 40 °C.</p>
Ene 05	High energy efficient cold storage rooms	The greenhouse gas emissions of cold storage systems should be reduced by improving their energy efficiency.	3	The insulation of cold room pipes contributes to the improvement of the energy efficiency of the system.