# EUROBATEX HF

## Evaluation of the contribution to BREEAM prerequisites/credits

This document describes the main requirements relating to the EUROBATEX HF product range, useful for achieving the main credits of the BREEAM certification.

## HEALTH AND WELLBEING

| Hea 04 | Thermal comfort | credits: 3 |
|---|---|---|

**Aim**

To ensure that appropriate thermal comfort levels are achieved through design, and controls are selected to maintain a thermally comfortable environment for occupants within the building.

**Eurobatex HF contribution**

EUROBATEX HF contributes to the energy performance of the building as part of the construction systems relating to the insulation of ducts and pipes.
It contributes with a thermal conductivity value $\lambda \leq 0.038$ W/mK evaluated at the temperature of 0° C.

**Link to Wst 05 issue: to prevent increasing the risks of overheating**

| Hea 05 | Acoustic performance | credits: 4* |
|---|---|---|

**Aim**

To ensure the building's acoustic performance, including sound insulation meets the appropriate standards for its purpose.

**Eurobatex HF contribution**

Eurobatex HF contributes to the acoustic insulation, related to background noise of HVAC systems, through insulation of ventilation ducts.

*: building type dependent

## ENERGY

| Ene 01 | Reduction of energy use and carbon emissions | credits: 13 |
|---|---|---|

**Aim**

To recognise and encourage buildings designed to minimise operational energy demand, primary energy consumption, and $CO_2$ emissions.

**Eurobatex HF contribution**

EUROBATEX HF contributes to the improvement of energy performance thanks to the optimal thermal conductivity of its products: $\lambda \leq 0.038$ W/mK, evaluated at a temperature of 0 °C.

**Link to Wst 05 issue: to maximise energy efficiency contributing to low carbon emissions resulting from increasing energy demands)**

| Ene 05 | Energy efficient cold storage | credits: 3 |
|---|---|---|

**Aim**

To recognise and encourage the installation of energy efficient refrigeration systems, thereby reducing operational greenhouse gas emissions resulting from the system's energy use.

**Eurobatex HF contribution**

The insulation with EUROBATEX HF of cold room pipes contributes to the improvement of the energy efficiency of the system.

## MATERIALS

| Mat 01 | Life cycle impacts | credits: 6* |
|---|---|---|

**Aim**

To recognise and encourage the use of robust and appropriate life cycle assessment tools and consequently the specification of construction materials with a low environmental impact (including embodied carbon) over the full life cycle of the building.

**Eurobatex HF contribution**

The Eurobatex HF products have undergone an LCA assessment and have Type III product EPD certification issued by EPDItaly following an external verification. The certification was drawn up in accordance with ISO 14025 and EN 15804 standards.

| Mat 03 | Responsible sourcing of construction products | credits: 4 |
|---|---|---|

**Aim**

To recognise and encourage the specification and procurement of responsibly sourced construction products.

**Eurobatex HF contribution**

Union Foam confirms the responsible sourcing of its materials by purchasing raw materials from ISO14001 certified suppliers.
It also pledges to support the humanitarian objective of ending violence and human rights violations in the extraction of certain minerals, known as Conflict Minerals , from areas of risk or conflict.
Union Foam is also concretely committed to the use and continuous research of raw materials whose production has a low environmental impact.

| Mat 06 | Material efficiency | credits: 1 |
|---|---|---|

**Aim**

To recognise and encourage measures to optimise material efficiency in order to minimise the environmental impact of material use and waste without compromising on structural stability, durability or service life of the building.

**Eurobatex HF contribution**

EUROBATEX HF as part of the building's energy system has the following efficiency characteristics:

- a service life of 25 years
- it can only be damaged by extraordinary impacts or during installation. It does not require maintenance/substitution during its service period.

*: building type dependent