

BREEAM Executive Summary

Trespa® Meteon®

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For:

1 Premise

This document provides a quick overview of the compliance of the Trespa® Meteon® product with the applicable BREEAM requirements.

2 Product description

Trespa® Meteon® is a decorative high pressure compact laminate (HPL) board, consisting of layers of natural fiber material impregnated with thermosetting resins and one or two surface layers on one or on both sides with colors and decorative motifs.

A transparent top layer is added to the surface layer(s) and is treated using Trespa's unique in-house developed Electron Beam Curing (EBC) technology to enhance weather resistance and protection properties from the light.

These components are incorporated through a simultaneous application of heat and a high specific pressure to obtain a homogeneous and closed material with high density and an integrated decorative surface.

Trespa® Meteon® is a versatile cladding for innovative and functional ventilated facade systems, balconies and sunscreen solutions.

The panels do not contain substances listed in the SVHC (Substances of Very High Concern) list published on the ECHA website, in concentrations higher than 0.1 percent by mass, at the moment of publication of this document.

3 BREEAM®

BREEAM (Building Research Establishment Environmental Assessment Method) is a voluntary green building sustainability rating system established in the UK for assessing the environmental performance of buildings.

BREEAM began the building certification system as the first scheme of its kind over 30 years ago. In 1990 BREEAM for Offices was launched by the BRE, as an environmental assessment for new build office developments in the UK. BREEAM has evolved into an internationally recognised standard of sustainability, quality and value that can be applied across the entire building lifecycle, to all assets, anywhere in the world.

This system is based on a series of minimum and mandatory requirements to obtain certification (prerequisites) and a series of optional ones, rewarded with a score (criteria).

These requirements are divided into the following categories: Management, Health and wellbeing, Energy, Transport, Water, Materials, Waste, Land use and ecology, Pollution, Innovation.

It assesses the performances of buildings over a wide range of environmental issues to produce a rating of either PASS (>30), GOOD (>45), VERY GOOD (>55), EXCELLENT (>70) or OUTSTANDING (>85).

The BREEAM suite of schemes enables consistent and comparable assessment and verification across the entire built environment lifecycle. The following variation are available:

- | BREEAM New Construction: provides a framework to deliver high performing, and sustainable, newly built assets.
- | BREEAM Refurbishment and Fit-out (Rfo): to assess refurbishment of the external envelope, structure, core services, local services, and interior design of existing.
- | BREEAM In-Use (BIU): to assess and benchmark the operational sustainability of all operational asset types.
- | BREEAM Communities: to support planners, local authorities, developers and investors to integrate and assess sustainable design in the masterplanning of new communities and regeneration projects.
- | BREEAM Infrastructure

Each standard uses a common framework that is adaptable to the asset’s location, allowing for international consistency and comparability.

4 Trespa® Meteon® and BREEAM® compliance executive summary

In relation to the application of the panel, i.e. cladding panel for ventilated facade system, the relevant BREEAM rating systems are BREEAM International New Construction v6 (NC), BREEAM International Refurbishment and Fit-out 2015 (Ifro).

Below-mentioned documentation can be downloaded following link: www.trespa.info or available by sending a request to certification@trespa.com.

BREEAM International NC v6	Product contribution	Documentation Available for compliance	Credits contribution (towards)
Hea 02 Prerequisite (asbestos)	The product does not contain asbestos. Trespa® Meteon® has a published Health Product Declaration (HPD). The document demonstrates product content inventory to 100ppm, according to GreenScreen benchmark.	Manufacturer’s declaration Health Product Declaration (HPD)	Prerequisite
Hea 02 Emissions from building products*	The Greenguard Gold certification obtained by the product is compliant with CDPH Standard Method v1.1-2010, and it listed among the Low-Emitting Approved schemes in Guidance Note 22.	Greenguard Gold	1 credit

BREEAM International NC v6	Product contribution	Documentation Available for compliance	Credits contribution (towards)
Hea 02 Post-construction indoor air quality measurement*	The Greenguard Gold certification obtained by the product is compliant with CDPH Standard Method v1.1-2010, and it listed among the Low-Emitting Approved schemes in Guidance Note 22.	Greenguard Gold	1 credit
Hea 05 Acoustic Performance - indoor ambient noise and sound insulation*	Trespa® Meteon® can contribute ventilated façade stratigraphy. Test reports and related certificates available.	Acoustic test reports	1 credit
Ene 01 Reduction of energy use and carbon emissions*	Trespa® Meteon® can offer a contribution to the thermal performance of the building envelope. In particular, it can be applied in a ventilated façade system.	Material Property Data Sheet Case Studies	9 credits
Mat 01 Life cycle impact*	Trespa® Meteon® has several Environmental Product Declarations (EPDs) published by the program operator EPD International AB.	EPD	5 credits
Mat 01 Life cycle impact - Environmental Product Declarations	Trespa® Meteon® has several Environmental Product Declarations (EPDs) published by the program operator EPD International AB.	EPD	1 credit
Mat 03 Prerequisite (Legally harvested timber)	Trespa® has chain of custody certificates according to the FSC® (Forest Stewardship Council®) and PEFC (Programme for Endorsement of Forest Certification schemes) standard.	FSC and PEFC	Prerequisite
Mat 03 Responsible sourcing of construction products	Trespa® is a company certified with ISO 14001:2015 Environmental Management System.	ISO 14001	3 credits

Credits contribution for credits marked with "*" is indirect.

BREEAM Info 2015	Product contribution	Documentation Available for compliance	Credits contribution (towards)
Hea 02 Prerequisite (asbestos)	The product does not contain asbestos. Trespa® Meteon® has a published Health Product Declaration (HPD). The document demonstrates product content inventory to 100ppm, according to GreenScreen benchmark.	Manufacturer's declaration Health Product Declaration (HPD)	Prerequisite
Hea 02 VOC emission levels (post-construction)*	The Greenguard Gold certification obtained by the product is compliant with CDPH Standard Method v1.1-2010, and it listed among the Low-Emitting Approved schemes in Guidance Note 22.	Greenguard Gold	1 credit
Hea 05 Acoustic Performance - indoor ambient noise and sound insulation*	Trespa® Meteon® can contribute ventilated façade stratigraphy. Test reports and related certificates available.	Acoustic test reports	1 credit
Ene 01 Reduction of energy use and carbon emissions – Elemental level energy model*	Trespa® Meteon® can offer a contribution to the thermal performance of the building envelope. In particular, it can be applied in ventilated façade system.	Material Property Data Sheet Case Studies	12 credits
Mat 01 Project life cycle assessment study*	Trespa® Meteon® has several Environmental Product Declarations (EPDs) published by the program operator EPD International AB.	EPD	6 credits
Mat 01 Elemental assessment of environmental performance information	Trespa® Meteon® has several Environmental Product Declarations (EPDs) published by the program operator EPD International AB.	EPD	4 credits
Mat 03 Prerequisite (Legally harvested Timber)	Trespa® has chain of custody certificates according to the FSC® (Forest Stewardship Council®) and PEFC (Programme for Endorsement of Forest Certification schemes) standard.	FSC and PEFC	Prerequisite
Mat 03 Responsible sourcing of materials	Trespa® is a company certified with ISO 14001:2015 Environmental Management System.	ISO 14001	3 credits

Credits contribution for credits marked with "*" is indirect.