

natureplus e.V.

Award Guideline 0301

Thermal Insulation Composite Systems for Interior Use

Issued: May 2015

for the awardance of the eco-label





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1. Application Areas

The following criteria contain the requirements for the awardance of the natureplus eco-label for the product group Thermal Insulation Composite Systems comprised of insulation materials, adhesives, fixings and a render/plaster system (base render with an embedded fibre-glass mesh (reinforcement), primer and finishing plaster):

- Thermal Insulation Composite Systems employing Cork Insulation Boards
- Thermal Insulation Composite Systems employing Wood-Fibre Insulation Boards
- Thermal Insulation Composite Systems employing Hemp Insulation Boards
- Thermal Insulation Composite Systems employing Reed Insulation Boards
- Thermal Insulation Composite Systems employing Mineral Foam Insulation Boards
- Thermal Insulation Composite Systems employing Foam Glass Insulation Boards
- Thermal Insulation Composite Systems employing Perlite Insulation Boards

This awardance guideline is to be applied exclusively to the named product group.

2. Award Criteria

A pre-requirement for the awardance of the natureplus eco-label is the fulfilment of the Basic Criteria RL 0000. This applies to all system components with the exception of the fixings, the fibre-glass mesh and other system accessories.

2.1 Pre-requirements for the system components

Wood-fibre insulation boards must fulfil the requirements of the awardance guideline RL0100 "Insulation Materials from Renewable Raw Materials" and the awardance guideline RL0104 "Wood Fibre insulation Boards for Construction Purposes" or RL0201 "Porous Wood-Fibre Boards".

Hemp insulation boards must fulfil the requirements of the awardance guideline RL0100 "Insulation Materials from Renewable Raw Materials" and the awardance guideline RL0101 "Hemp Insulation".

Reed insulation boards must fulfil the requirements of the awardance guideline RL0100 "Insulation Materials from Renewable Raw Materials" and the awardance guideline RL0111 "Straw and Reed Insulation Boards".



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Cork insulation boards must fulfil the requirements of the awardance guideline RL0100 “Insulation Materials from Renewable Raw Materials“ and the awardance guideline RL0113 “Cork Insulation Boards”.

Mineral-based foam insulation boards must fulfil the requirements of the awardance guideline “Insulation Materials from Expanded or Foamed Mineral Raw Materials“ and the awardance guideline RL0404 “Mineral-Based Foam Insulation Boards for Internal Use “.

Foam glass insulation boards must fulfil the requirements of the awardance guideline “Insulation Materials from Expanded or Foamed Mineral Raw Materials“ and the awardance guideline RL0406 “Foam Glass Insulation Boards“.

Perlite insulation boards must fulfil the requirements of the awardance guideline “Insulation Materials from Expanded or Foamed Mineral Raw Materials“ and the awardance guideline RL0408 “Perlite insulation boards for Interior Use“.

Finishing plasters, renders and adhesive mortars must fulfil the requirements of the awardance guideline RL0800 as well as the relevant product guideline from the following list:

- 0801 Plaster/Mortar for Internal Applications
- 0802 Gypsum and Gypsum-Based Plasters for Interior Use
- 0803 Loam/Clay Based Mortar
- 0804 Stabilised Loam/Clay Render/Mortar
- 0806 Renders and Plasters for Insulation Systems
- 0808 Mineral-Based Adhesive and Filler/Render/Plaster Coatings for Interior Use

The determination of the ecological indicators is thereby unnecessary.

Fixing plugs/dowels and system accessories made from plastic must be free from halogen and where available be produced from recycled materials.

2.2 Functional Suitability

The manufacturer must provide documentary evidence that the water vapour diffusion and condensation within the wall construction does not lead to moisture damage. Parameters which should be taken into account are the sorption capacity, the diffusion and the air-tightness. The manufacturer must provide the installer with suitable informational and training documentation in order that construction-related problems may be recognised and appropriate solutions found.



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2.3 Disposal

A disposal concept must be provided for the complete system. The components must be suitable for disposal in an inert materials disposal site/facility according to the “Decision of the EU council of the 19th December 2002 on the definition of criteria and procedures for the receipt and acceptance of waste products at waste disposal sites according to article 16 and appendix 2 of the guideline 1999/31/EG”. Alternatively the components must be suitable for disposal in a waste incineration plant.

2.4 Declaration

The product packaging should display a full declaration of the input materials listed, analogue to the EU-Cosmetic Regulations, according to the declining mass percentage. If it is not possible to display this information directly on the product packing, it should be provided with the product in a technical datasheet or sales leaflet (in English or in the national language). If intermediate/preliminary products or formulations are used as input substances and the proportion present in the final product is >0.1 M-%, then all the substances used within these must also be taken into account for the declaration.

For naming the input materials as part of the declaration the following applies:

- More than 1 M-% - designation of the substance in question
- Less than 1 M-% - at least a functional designation (e.g. “moth proofing agent”)

Furthermore, it is obligatory to provide the following information in a suitable form to the consumer or user (eg. online):

- Instructions for use and safety precautions
- Indications for storage and disposal
- Batch numbers
- City/town and country of production
- Indication of geographical origin of the key input material

When employing components with a potential for environmental hazard, the manufacturer has to suitably indicate measures to be taken to ensure environmental protection during removal and demolition (i.e. controlled deconstruction).



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3. Laboratory Tests

If all significant components of the system (finishing coat, rendering, adhesive mortar) is made from products certified by natureplus, no laboratory tests are necessary.

Otherwise, the system components are subject to laboratory tests as per the corresponding guideline for the single components.