

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control plan: Ref no. 210-99-0716 dated 2018-03-27, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

Manufacturing place

Production control includes the following place:

Saint-Gobain Sweden AB, Storgatan 29, Billsholm, Sweden

Marking

The products are to be marked according to the CE-marking regulation. Associated documents must be provided with the national Board of Housing, Building and Planning's registered trademark (†), type approval number (2706/92) and RISE accreditation number (RISE 1002).

Basis for approval

Reports no. 9P08220-01, -02, -03, -04, O100291-121270 and O100291-186436 from RISE and reports 1931550-1 and -2 from CETIAT, France.

Comments

The insulation, including the surface layer, is CE-marked in accordance with EN 14303 and fulfils the requirements for class A1 or A2-s1,d0 according to EN 13501-1.

Associated documents shall accompany the product or by other means be available to users of the product.

This type approval supersedes the previous type approval with the same number dated 2018-01-29, valid through 2020-01-29.

Validity

Valid through 2027-04-18.

Validity of this type approval can be verified on our website.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

A handwritten signature in blue ink, appearing to read 'Stefan Coric'.

Stefan Coric

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.

Product description with design and assembly instructions for ISOVER Cleantec® products such as thermal insulation and sound- absorbing materials.

Product descriptions

ISOVER Cleantec® is a product range for interior insulation in ventilation ducts, silencers, and plant, as well as ventilation components. Products have a factory-applied surface on non-flammable glass- or stone wool.

ISOVER Cleantec® products exist in three surface variants and in the following density ranges:

ISOVER Cleantec® G: Glass- or stone wool board faced by a glass fabric.

Density: Glass wool: 27-115 kg/m³
Stone wool: 40-150kg/m³

ISOVER Cleantec® PLUS: Glass- or stone wool board faced by perforated reinforced aluminium foil.

Density: Glass wool: 27-115 kg/m³
Stone wool: 40-150kg/m³

The exact product specification is defined by the product number, eg:

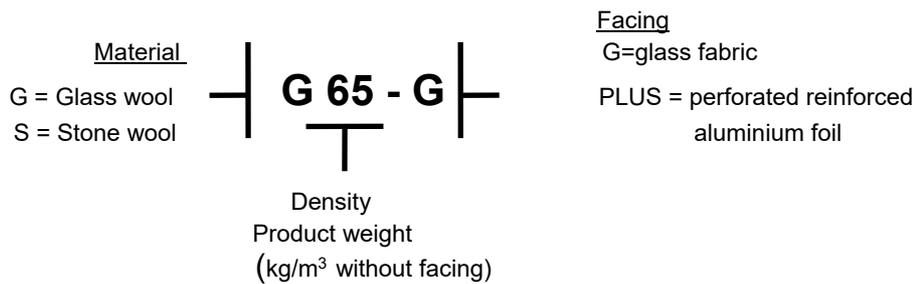
ISOVER Cleantec® G35. Glass wool: Non-flammable glass wool board, density 35kg/m³, with outer facing of glass fabric. Euroclass: A2-s1,d0.

ISOVER Cleantec® PLUS. Glass wool: Non-flammable glass wool board, density 35kg/m³, with outer facing of perforated reinforced aluminium foil. Euroclass: A2-s1,d0.

ISOVER Cleantec® G100 Stone wool: Non-flammable stone wool board, density 100kg/m³, with outer facing of glass fabric. Euroclass: A1.



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Range of use

Interior thermal insulation and noise damping in ventilation ducts, noise dampers, plant and ventilation components.

Range of temperature

Surface may continuously be exposed to temperatures between - 30 and + 50 ° C.

Assembly

Boards assembled in ducting using fixing strips. All board cutting, drilling, and end finishing, both along and across the duct, are finished with fixing strip which covers the board edge and at least 20 mm of the outer surface. Fixing strip should be riveted or welded to the duct plating. Maximum board size is 1200X2400 mm. There should be no damage or tears in the outer facing.

An example of longitudinal strip assembly is given in the diagram below. Boards are located along the two larger sides of the duct so that they fit right up to the duct walls. Then Z-profile strips hold the other two boards in place. The Z-profiles are fixed to the duct plating as in the instructions above.

If there is a risk that the insulation might protrude, AGM washers or similar, ie flat washers without protruding pins, should be used. The washer should have a diameter of at least 38 mm, and the length of the pin should be the same as the thickness of the insulation.



Holes and tears in ISOVER Cleantec® PLUS. can be repaired with ISOVER Cleantec® special tape but must not be larger than 25x400mm.

ISOVER Cleantec® PLUS board can also be wet cleaned.

Products can be washed using the following methods: If the boards are removed from the ventilation duct:

- Manual washing with a sponge or rag.
- Low-pressure washing with a foaming detergent applied to the Cleantec® facing. Water is used only to remove dirt and detergent residues from the Cleantec® facing.
- High-pressure washing can be used with a foaming detergent applied to the Cleantec® facing; high-pressure washing down gives a certain finished effect, but note that the main object is to use as little water as possible to remove dirt and detergent residues from the Cleantec® facing.

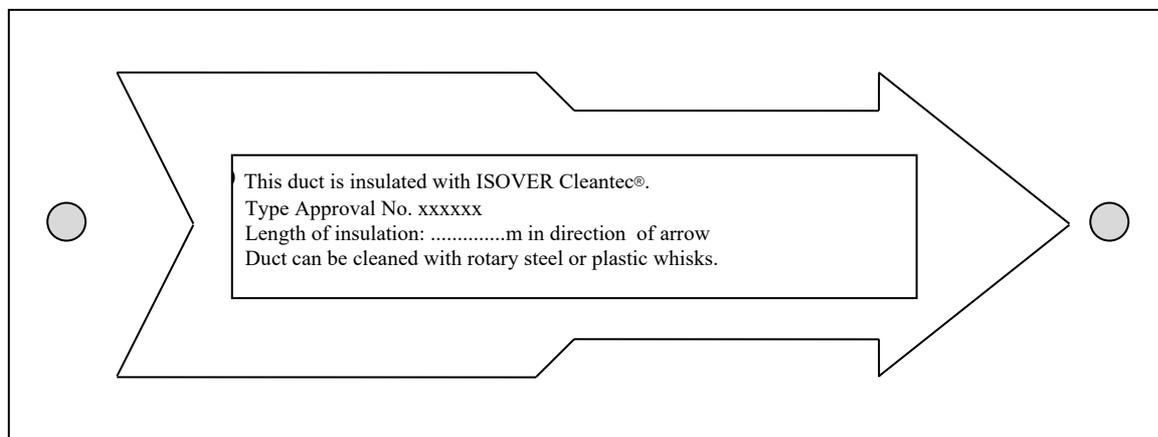
Drying off with a sponge or rag can be done to remove any loose dirt particles, as well as to obtain a dry Cleantec® board more quickly.

Note!

During washing, maximum water temperature should be 40°C. In high-pressure washing, the nozzle spray angle should be at least 30°. The distance from the Cleantec® board should be 300-500mm, and the maximum working pressure 80 bars.

If Cleantec® board is located in, eg, a sheet metal frame, it must be drained at the base.

Near all inspection panels the duct should have a plate with text as below:



If the duct is insulated in both directions from the inspection hatch, there should be a plate for each direction, or clear indication as to how long the insulation run is to the next hatch.



Instructions for design

For insulation of ducts connected to external air intakes, the outer grille should be located or designed to prevent ingress of rain or snow.

Eg: One solution is to have a downward-facing hood on the external intake. The hood inlet area should be about three times greater than that of the air intake itself.

Assembly of Cleantec® products is carried out under factory conditions.

Air velocity should not exceed 8 m/s.



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