

SWEDISH TECHNICAL APPROVAL 0343/94

and decision on production control in accordance with 18-20 § Law (1994:847) on technical specification requirements for construction work, etc., BVL

KEY WORD: AIR TREATMENT INSTALLATIONS
Internal insulation

SWEGON Cleanolon[®] duct insulation for internal insulation

Holder	Saint-Gobain Isover AB, Box 501, 260 50 Billesholm, tel: 042-840 00, fax: 042-844 23. Org.nr: 556048-9931, e-mail: info@isover.se, home page: www.isover.se.
Information	SWEGON AB, Box 979, 671 29 Arvika, tel 0570-844 40. SWEGON AB, Industrigatan 5, 273 35 Tomelilla, tel 0417-198 00
Product	SWEGON AB Cleanolon [®] is an insulation product of non-combustible glass wool or stone wool batts, with a factory-applied surface layer of blue glass cloth mass per unit area 150 g/m, SWEGON Cleanolon [®] C or a surface layer of perforated aluminium with fibre glass mesh, mass per unit area 89 g/m ² , SWEGON Cleanolon [®] Al. Density: Glass wool: 27 - 115 kg/m ³ Stone wool: 40 - 150 kg / m ³
Intended use	Internal insulation of rectangular ventilation ducts, mufflers, air treatment units and duct components.
Trade name	SWEGON Cleanolon [®] C and SWEGON Cleanolon [®] Al.
Approval	The products satisfy the requirements set forth in BVL §2, section 2 in the respects and under the conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of the Building Regulations (BBR) issued by the National Board of Housing, Building and Planning. Surface layer Class I 5:221 Air treatment installations, general 5:651, 1st paragraph Material 6:11 Micro-organisms 6:24* Cleanability 6:254, 1st sentence**

**An air treatment unit must have filters of at least class F7.*

***The insulation must not be installed in ducts that carry air which contains greasy or sticky compounds, eg in evacuation ducts.*

Steel brushes must not be used when cleaning. Insulation with a surface layer of aluminium can be carefully cleaned with a soft plastic brush.

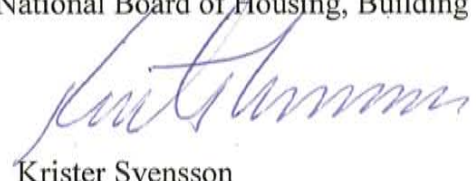
2008-06-02

Certificate No. 0343/94

Approval (cont.)	<i>When installing batts with visible joins between them, sheet metal profiles must be used. The profiles must overlap the surface layer by at least 20 mm. Where the joins are hidden, at least 20 mm of the surface layer must always be covered. Where there is a risk of the insulation hanging down, washers without projecting pins must be used, AGM type or equivalent.</i>																
Appurtenant documents	Product description and planning and installation instructions for SWEGON Cleanolon [®] products, such as thermal insulation and noise control, 2006-08-15.																
Control	Production control is to be performed in accordance with instructions for control dated 2005-06-02, registration number 210-99-0716. When the client performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with requirements stated in the approval and the appurtenant documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this certificate is based.																
Manufacturer	Production control includes the following site: Saint-Gobain Isover AB, Billesholm.																
Marking	The products are to be marked at the factory. The marking consists of text on the packing material and includes: <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Approval holder/Manufacture site</td> <td style="text-align: right;">Saint-Gobain Isover AB, Billesholm</td> </tr> <tr> <td>Boverket's registered trademark</td> <td style="text-align: center;">†</td> </tr> <tr> <td>SITAC's accreditation number</td> <td style="text-align: center;">SITAC 1422</td> </tr> <tr> <td>Product type designation</td> <td style="text-align: center;">e.g. SWEGON Cleanolon[®] G-65-C*</td> </tr> <tr> <td>Number of the type approval certificate</td> <td style="text-align: center;">0343/94</td> </tr> <tr> <td>Fire properties</td> <td style="text-align: center;">Surface layer Class I</td> </tr> <tr> <td>Serial manufacturing number or date</td> <td></td> </tr> <tr> <td>Inspection body</td> <td style="text-align: center;">SP</td> </tr> </table> *G=glass wool, 65=density and C=surface coating	Approval holder/Manufacture site	Saint-Gobain Isover AB, Billesholm	Boverket's registered trademark	†	SITAC's accreditation number	SITAC 1422	Product type designation	e.g. SWEGON Cleanolon[®] G-65-C*	Number of the type approval certificate	0343/94	Fire properties	Surface layer Class I	Serial manufacturing number or date		Inspection body	SP
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Basis for approval	Reports No. P205241, P104168, 96K21571A, 92E40130, 93K10512 B and D, 93R211347A, F405302, F516263, P604623 and statement 1996-03-11 from SP.																
Comments	This certificate replaces the earlier certificate with the same number dated 2006-09-18 and project. No. T300064-02.																
Period of validity	The approval is valid until 2013-06-01. The formal validity of an approval expires after the transitional period for the harmonised specification that makes it possible to CE-mark the product. However, the technical assessment showing that the product fulfils the requirements in the building regulations, issued by the Swedish National Board of Housing, Building and Planning, is not affected.																



Johan Åkesson



Krister Svensson

2006-08-15

Produktbeskrivning samt projekterings- och monteringsanvisningar för SWEGON Cleanolon®-produkter såsom värme- och kondensisolering samt ljuddämpning.

Produktbeskrivning

SWEGON Cleanolon®-produkter finns med två ytskikt och följande densitetsintervall:

SWEGON Cleanolon®: Glasväv (blå) / perforerad – aluminiumfolie-belagd glas eller stenullsskiva med densitet:

Glasull: 27-115kg/m³

Stenull: 40-150Kg/m³

Produkternas exakta specifikation framgår av produktnumret, tex.

SWEGON Cleanolon®G-65-AI: (G=glasull, 65=densitet och AI=perforerad aluminiumfolie). Glasvävsytskiktet betecknas med C.

Densitet är produktens vikt i kg/m³ utan ytskikt.

Användningsområde

Invändig termisk isolering och ljuddämpning i ventilationskanaler, ljuddämpare, aggregat och ventilationskomponenter.

Användningstemperatur

Ytskiktet får kontinuerligt utsättas för temperaturer mellan –30 och +50°C

Montering

Cleanolon®-skivorna monteras och fästs i produkterna enligt leverantörens (SWEGON) typritning för respektive produkt. Inga hål eller revor får förekomma i ytbeklädnaden.

Kanaler, ljuddämpare eller inneklimatprodukter förses med märkning enligt exempel:

Denna produkt är isolerad med SWEGON Cleanolon®
Typgodkännande nr. 0343/94
Produkten kan rensas med roterande plastviskor.

(Skylt med gul botten)

SWEGON Cleanolon® AI kan även rengöras med våtmetod.

Lufthastigheten bör ej överstiga 12 m/s