

Vinyylitalo Oy
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FINLAND

CE-marking of Variform vinyl siding products

General

Wall panels are subject to CE marking based on Construction Product Directive (Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products), which was repealed on 1.7.2013 by Construction Product Regulation (Regulation (EU) No 305/2011) issued by the European parliament.

For internal and external wall and ceiling finishes the attestation of conformity is based on Commission Decision (98/437/EC) of 30 June 1998 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC.

The health and safety requirements for PVC wall panels have been defined in the European standard EN 13245-2:2008 (as amended by 13254-2 AC in 2010). This standard also specifies methods for the evaluation of conformity of the panels, and it includes requirements for product markings.

It has to be noted that some requirements or performance classes have been set in national building codes of each individual EU member state. It has to be also noted that requirements may vary between member states, for example Finland and Sweden.

Evaluation of conformity

Conformity with the performance requirements shall be demonstrated as set in part 5 of the standard EN 13245-2.

Requirements clearly indicate obligatory type testing of the products and also documented factory production control (FPC). Remarkable savings may be achieved by product grouping and evaluation of one product as a representative of the whole product group.

Characteristics in Initial type testing have been set in section 5.2 of EN 13245-2 standard. "Reaction to fire", "mechanical resistance" and "durability" shall be tested. However, since in this case fire classes (A, B or C) are required (Organo sulfur tin complex is used), the system of attestation of conformity shall be 1. The chemicals used need to be in conformance with the EU regulations for chemical substances. At this stage this has not yet been assessed.

Attestation of conformity using system 1 (Table ZA 3.1) requires that a notified certification body shall be used for reaction to fire tests, initial inspection of factory and of FPC, but also for continuous surveillance, assessment and approval of FPC.

It should be noted that usually laboratories located outside EU area are not acceptable testing/certification bodies for the purposes of European Construction Product Directive/Regulation.

Release of dangerous substances

We are not yet aware of the stability of chemicals used in Variform –products and the regulations for emission of chemicals still need to be assessed in order to document the specific acceptance criteria. However, general chemical legislation in EU restricts or prohibits use of some chemicals. These chemicals are listed mainly on Reach regulation and POP regulation (see links below).

There are some information communicating requirements, if products contain over 0,1 weight % of a chemical which is listed as SVHC. These chemicals are listed on European Chemicals Agency's (ECHA) "Candidate list" (link to webpage below).

Conclusion

More detailed information on product variants, product groups and materials is needed.

The chemicals used need to be assessed for conformity (REACH, POP, ECHA).

Product initial type testing by a competent notified body is required.

A fire testing according to your target class needs to be carried out by a competent laboratory.

Product markings need to be assessed to be in compliance with applicable regulations.

We at sertifointi.com are able to assist you to optimize the product grouping for testing and also select the best notified test laboratory in order to achieve CE –marking for your product range.

All available notified laboratories and bodies are listed on the annex page. Please note that VTT in Finland and also some other laboratories are able to do the fire testing but it is probably preferable to do all of the testing in one location.

Best Regards

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Links:

- link to general chemical legislation <http://ec.europa.eu/environment/chemicals/index.htm>
- Reach regulation: see especially Annex XIV (authorised chemicals) and Annex XVII (restricted or prohibited chemicals), link to the regulation (consolidated version) <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:2006R1907:20121009:EN:PDF>
- POP regulation, link to the regulation <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32004R0850:EN:NOT>
- ECHA's Candidate list <http://www.echa.europa.eu/web/guest/candidate-list-table>

List of possible notified test laboratories and notified certification bodies

Bodies

Found : 25

Search criteria :

Legislation : 305/2011

Technical specifications : EN 13245

Withdrawn/Expired/Suspended Notifications/NBs are not displayed in this list, you can find them in the Body module under the hyperlink "Withdrawn/Expired/Suspended Notifications/NBs"

Body type	Name 	Country 
‣ NB 0071	<u>Laboratoire National de métrologie et d'Essais (LNE)</u>	France
‣ NB 0072	<u>Institut Français de Textile et de l'Habillement (IFTH)</u>	France
‣ NB 0120	<u>SGS United Kingdom Limited</u>	United Kingdom
‣ NB 0380	<u>FCBA Institut Technologique (anciennement CTBA)</u>	France
‣ NB 0672	<u>Universität Stuttgart für die Materialprüfungsanstalt Universität Stuttgart (MPA Stuttgart, Otto-Graf-Institut, (FMPA))</u>	Germany
‣ NB 0679	<u>Centre Scientifique et Technique du Bâtiment (CSTB)</u>	France
‣ NB 0749	<u>BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION ASBL (BCCA)</u>	Belgium
‣ NB 0987	<u>LAPI LABORATORIO PREVENZIONE INCENDI SPA</u>	Italy
‣ NB 1020	<u>TECHNICKY A ZKUSEBNI USTAV STAVEBNI PRAHA s.p.</u>	Czech Republic
‣ NB 1023	<u>INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a. s.</u>	Czech Republic
‣ NB 1121	<u>Warrington Certification Limited</u>	United Kingdom
‣ NB 1319	<u>HERAKLES groupe SAFRAN (ex-SME)</u>	France
‣ NB 1396	<u>FIRES. S.R.O.</u>	Slovakia
‣ NB 1397	<u>STATYBOS PRODUKCIJOS SERTIFIKAVIMO CENTRAS - SPSC</u>	Lithuania
‣ NB 1404	<u>ZAG - ZAVOD ZA GRADBENISTVO SLOVENIJE</u>	Slovenia
‣ NB 1479	<u>VUSAPL. A.S.</u>	Slovakia
‣ NB 1487	<u>INSTYTUT CERAMIKI I MATERIALOW BUDOWLANYCH</u>	Poland
‣ NB 1488	<u>INSTYTUT TECHNIKI BUDOWLANEJ (ITB)</u>	Poland
‣ NB 1783	<u>TURKISH STANDARDS INSTITUTION (TSE)</u>	Turkey
‣ NB 1796	<u>PRIESGAISRINES APSAUGOS IR GELBEJIMO DEPARTAMENTO PRIE VIDAUS REIKALU MINISTERIJOS GAISRINIŲ TYRIMŲ CENTRAS</u>	Lithuania
‣ NB 1812	<u>EFFECTIS France</u>	France
‣ NB 1870	<u>SC QUALITY - CERT SA</u>	Romania
‣ NB 1871	<u>CENTER FOR TESTING AND EUROPEAN CERTIFICATION Ltd.</u>	Bulgaria
‣ NB 2137	<u>Centre de Recherche et d'Etudes pour les Procédés d'Ignifugation des Matériaux (CREPIM)</u>	France
‣ NB 2204	<u>Societatea de Certificare ICECON CERT SRL</u>	Romania

CE -marking and Declaration of Performance



Plygem Siding Group
2615 Campbell Road, Sidney, OH 45365
USA

14

EN 13245-2:2008+AC:2010

PVC-U profiles for exterior wall finishes of buildings

Declared performance has been assessed and verified by:
VTT Expert Services Oy, notified body 0537
PL 1001
02044 VTT
FINLAND

Classification report number VTT-S-10496-10

DECLARATION OF PERFORMANCE

Number 2014-1

1. Unique identification code of the product-type:

Variform product group, product lines: "Contractors Choice" and "Board and Batten"

2. Type marking allowing identification of the construction product:

Variform Contractors Choice and Variform Board and Batten

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

PVC-U profile for exterior wall finishes of buildings

4. Name and contact address of the manufacturer:

Plygem Siding Group
2615 Campbell Road, Sidney, OH 45365
USA

5. Name and contact address of the authorised representative:

Vinyylitalo Oy
Teknologiapuisto 1 as. 20
FI61800 Kauhajoki
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6. System of assessment and verification of constancy of performance of the construction product as set out in Construction Product Regulation 305/2011 Annex V (system 4) complying with applied Harmonised Standard EN 13245-2:2008 as amended in 2010.

7. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	E / AVM, AHM (1/-)	EN 13501-1 (EN ISO 11925-2)
Release of dangerous substances	NPD	
Mechanical resistance	NPD	SFS-EN13245-1
Durability: - Artificial (UV) ageing - Change in colour - Tensile-impact strength	NPD NPD NPD	EN 513 ISO 7724 ISO 8256

8. Performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. Manufacturer assembly instructions need to be followed in order to achieve declared performance.

This declaration of performance is issued under the sole responsibility of the identified manufacturer and it is valid for declared products sold in Finland starting 01-01-2014.

Kauhajoki, 2.1.2014 Signed for and on behalf of the manufacturer by:

(name, position)

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