

Construction Products Regulation, NARM update.

From the 1st of July 2013 it has been mandatory to CE mark any relevant products under the Construction Products Regulation that are covered by a harmonised European standard (hEN).

Where a relevant hEN is not available, CE marking is not mandatory, but is possible if a relevant ETAG (European Technical Approval Guideline) exists.

CE marking may not be mandatory, even where a relevant hEN is available, under certain circumstances which may include:

- products which are individually manufactured or custom-made in a non-series process for a specific order and installed in a single identified construction work
- products which are manufactured on a construction site for incorporation in the respective construction works
- products which are manufactured in a traditional manner or in a manner appropriate to heritage conservation,

The requirement for CE marking would only be displaced if any of the criteria defined in Article 5 of the Construction Products Regulation were fully met; Appendix A (below) gives full details.

NARM members supply a range of rooflights and roof windows that are manufactured in various materials. The following list contains the hENs and ETAGs that are relevant to rooflights and roof windows along with their current status.

hEN Product Standards

EN 1873: 2005

Prefabricated accessories for roofing – Individual rooflights of plastics – Product specification and test methods.

Status: Current, CE marking may be conducted under this standard (The new revision is planned to be released under a delegated act which is expected during 2018. This will be published as EN1873 Part 1)

Status: Current, CE marking may be conducted under this standard (please note that a revised edition has passed formal vote, but will not be issued until a delegated act has been passed, expected during 2018. CE marking should still be carried out in accordance with the 2005 standard, which is not yet obsolete despite BSI bookshop notes to the contrary)

Products: Out of plane, individual domed or pyramidal rooflights manufactured from one or more layers of solid polycarbonate.

Normally used on flat roofs but may also be used on pitched roofs.

EN 1013:2012 + A1:2014

Light transmitting single skin profiled plastics sheets for internal and external roofs, walls and ceilings – Requirements and test methods.

Status: Current, CE marking may be conducted under this standard

Products: Profiled GRP and polycarbonate in-plane single skin sheets used for single skin applications or as the external layer or liner of a rooflight or wall light.

Normally used with profiled metal built up systems, composite panel systems and fibre cement systems.

EN 14351-1: 2006+A1: 2010

Windows and doors – Product standard, Performance characteristics – Part 1: Windows and external pedestrian doorsets without resistance to fire and smoke leakage characteristics.

Status: Current, CE marking may be conducted under this standard.

Products: Roof windows, which:

- comprise an individual window style frame, glazed with a single insulating glass unit characteristic of windows installed in walls with regard to function, cleaning maintenance and durability, and
- are installed in the same orientation and in-plane with the surrounding roof at a minimum of 15 degrees pitch, weathered into the roof with an individual skirt or flashing

Normally used in tiled or slated roofs but may be adapted for other roof types.

EN 14963: 2006

Roof coverings – Continuous rooflights of plastics with or without upstands – Classification, requirements and test methods.

Status: Current, CE marking may be conducted under this standard (revised edition being prepared)

Products: Continuous plastic rooflights with rectangular plan installed at less than 10 degrees pitch longitudinally, including angled or curved (barrel vault) rooflights installed at less than 10 degree pitch transversely or flat, pitched rooflights. Includes both self supporting rooflights without glazing bars up to 2.5 metres wide, or any rooflights with glazing bars parallel to the span.

Normally used on flat, low pitch and curved roofs and northlight applications.

EN12101-2: 2003

Part 2: Specification for Natural Heat and Smoke Exhaust Ventilators.

Status: Current, CE marking may be conducted under this standard.

Products: Automatic Opening Vents linked to a fire alarm system to open automatically in the event of fire, including vents which comprise a frame glazed with either glass or plastic to also perform the function of a rooflight.

Normally installed on an upstand on flat or pitched roofs or incorporated into a larger area of fixed rooflighting.

hEN Material Standards

EN 16153

Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings - Requirements and test methods.

Current, CE marking can be conducted under this standard.

Applies to flat, structured polycarbonate sheeting which may be used for a variety of rooflight types including barrel vault systems and framed rooflights.

EN 16240

Light transmitting flat solid polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings – Requirements and test methods

Status: Current, CE marking can be voluntarily conducted under this standard. Will become compulsory March 2018)

Has been introduced with a period of co-existence from 10 March 2017 to 10 March 2018. CE marking may be conducted under this standard, but is not mandatory until the introductory co-existence period expires in March 2018.

Applies to flat, solid polycarbonate sheeting which may be used for a variety of rooflight types including barrel vault systems and framed rooflights.

Glass rooflights

Other than rooflights which come under the scope of EN12101 (Smoke Vents) and EN14351 (Roof Windows), there are currently no relevant hENs that apply to other glass rooflights.

There are various material standard hENs which cover a range of safety glasses and types which may be used by NARM members to manufacture roof windows, framed rooflights and bespoke applications, but there are no relevant standards to allow CE marking of the rooflights.

A new standard (EN1873 part 2) for modular glass rooflights is currently under preparation. It is likely that another new standard (EN14963 part 2) for continuous glass rooflights will also be developed in future. Neither standard has yet been published and products cannot yet be CE marked to these standards.

European Technical Approval Guidelines

ETAG 010

Self Supporting Translucent Roof Kits.

Status: Current, CE marking may be conducted under this ETAG but is not compulsory.

Products: Any rooflight system that is not covered by a hEN. CE marking to this ETAG is not mandatory. The requirements of the ETAG to test all variants and sizes may make use of this ETAG for CE marking a range of rooflights unfeasible

Appendix A

Article 5 of the Construction Products Regulation outlines circumstances in which manufacturers are not required to CE mark products, even where a relevant hEN is available, under certain circumstances.

Full details of these exceptions are given in Article 5 of the Construction Products Regulations which can be downloaded from <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:088:0005:0043:EN:PDF> and which states:

Article 5

Derogations from drawing up a declaration of performance

By way of derogation from Article 4(1) and in the absence of Union or national provisions requiring the declaration of essential characteristics where the construction products are intended to be used, a manufacturer may refrain from drawing up a declaration of performance when placing a construction product covered by a harmonised standard on the market where:

- (a) the construction product is individually manufactured or custom-made in a non-series process in response to a specific order, and installed in a single identified construction work, by a manufacturer who is responsible for the safe incorporation of the product into the construction works, in compliance with the applicable national rules and under the responsibility of those responsible for the safe execution of the construction works designated under the applicable national rules;
- (b) the construction product is manufactured on the construction site for its incorporation in the respective construction works in compliance with the applicable national rules and under the responsibility of those responsible for the safe execution of the construction works designated under the applicable national rules; or
- (c) the construction product is manufactured in a traditional manner or in a manner appropriate to heritage conservation and in a non-industrial process for adequately renovating construction works officially protected as part of a designated environment or because of their special architectural or historic merit, in compliance with the applicable national rules.

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