



Harmonisation of EN 16034 standard

What is the EN 16034 standard? What does this mean for you?

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EN 16034 is a harmonised European product standard for doors, gates and windows which regulates the requirements with regard to fire and smoke protection properties. It must always be used in combination with EN 14351-1 for external pedestrian doorsets or EN 14351-2 for internal pedestrian doorsets (as soon as it is published in the official journal of the EU, harmonisation has taken place).

Why is the date 1 November 2019 so important?

The EN 16034 standard has been harmonised and was in force along with the national regulations since its introduction in 2016. This phase is called the coexistence phase. The coexistence phase finished at the 1st of November 2019 and the EN 16034 is in force since then.

Thus, for the placing on the market, no national approvals for exterior doors and windows are valid since then and a (CE-) marking of the element as well as a declaration of performance is obligatory. This regulation is not valid for the interior doors, as the standard for this (EN 14351-2) has not yet been harmonized.

What does this have to do with me as a metal fabricator?

The standard also includes requirements for manufacturers of fire protection barriers. Fulfilment of the requirements in line with this standard is confirmed by means of a certificate of constancy of performance, issued by a product certification body. This permits the manufacturer to put products on the market with the mandatory CE marking.

The process for issuing a certificate requires that the following points are met:

- Existing licence contract with a system provider which explicitly allows the use of the classification report and the appropriate technical documentation (ATD)
- Use of the classification report as well as the appropriate technical documentation (ATD) of the system provider as a replacement to Type Testing
- A Factory Production Control (FPC) in the manufacturing plant which meets the requirements of the product standard(s)
- Third-party monitoring, i.e. a successful initial inspection as well as annual monitoring of the FPC by a notified product certification body

You as the metal fabricator apply for certification from a notified product certification body recommended by Jansen (note: the notified product certification body also carries out the monitoring). Following a successful initial inspection for the FPC as well as a successful ATD test, the certificate for constancy of performance is granted. The product can then be launched on the market on the basis of a Declaration of Performance and CE marking. The FPC monitoring takes place each year.

That sounds like a lot of work...

...and it is. However, the bulk of the work only needs to be carried out once. We would like to support you as best we can here and offer you the following:

Licence agreement

Jansen AG provides various models for obtaining a new licence agreement. For updating their licence, metal fabricators who have already successfully completed the Jansen fire protection licence training only need to pass training for EN 16034 and

the associated product marking. This training takes half a day to complete. The training session includes an introduction to the new documentation such as the classification report and appropriate technical documentation (ATD), definition and explanation of the necessary steps to enable CE marking as well as an explanation of the CE marking process with Jansen systems.

Metal fabricators who have not yet completed any fire protection training for Jansen fire protection systems will be trained over 2 days. The first one and a half days are used to explain the fire protection systems, standards and key fabrication steps. The remaining half day is used to introduce EN 16034 in the same way as described in the previous paragraph. Dates for training sessions can be found in the training programme.

Classification report and Appropriate Technical Documentation (ATD)

The classification report attests the results of the tests carried out in line with EN 16034 and forms the basis for the European approval for fire and smoke protection barriers. In the course of the approval process, the ATD replaces the Type Testing for the metal fabrication company. The performance properties as well as the system limits are explained in the ATD. In this regard, the structure of the implementation documents of the ATD are based on the existing documentation so that familiarisation with this new document is made as easy as possible. Once the licence agreement is updated, the metal fabrication company can access these documents.

Factory Production Control (FPC)

Another important step is the introduction of an FPC. To facilitate this introduction, several parties provide FPC workshops. Most workshops include preparation of an FPC, which can then be used directly in your own company. To this end, forms are provided which meet the FPC requirements in terms of EN 16034 and EN 14351-1. These forms are filled out in the workshop and then simply need to be completed at your company afterwards. Please contact your responsible Jansen sales partner for further information on available FPC workshops.

Third-party monitoring

If you have an updated licence agreement and an FPC, initial monitoring can be carried out by a notified product certification body. If this is completed successfully, the metal fabricator receives the certificate for constancy of performance and is then entitled to issue Declarations of Performance and launch products with CE marking on the market. Your Jansen contact will be happy to provide you with information about the notified product certification bodies that can be used for Jansen fire protection products.

Why deal with this topic now?

As already mentioned, only the standard for external doors is harmonised. The harmonization of the standard for the interior doors is in progress and there will also be a coexistence phase first. In addition, the national approvals still apply until the coexistence phases end. Why do all the hard work now then?

- Competitive advantage, as all specifications can be handled (both in accordance with national rules and EN standards)
- Projects in EU territory also possible
- There is currently still sufficient capacity available with the product certification bodies etc.
- Stress-free processing
- The changeover will be necessary at some stage anyway

Let's stay in touch!

The topic is highly relevant to both you as a metal fabricator and us as a systems provider. We would be happy to stay in touch and support you with the implementation of EN 16034. If you have any questions, please contact our Field Sales staff, who will be happy to help.

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