CLASSIFICATION OF THE FIRE RESISTANCE ACCORDING TO EN 13501-2: 2003

Assignor:	Beele Engineering BV
	Beunkdijk 11
	7122 NZ AALTEN
	The Netherlands
Issued by:	Efectis Nederland BV
	Lange Kleiweg 5, 2288 GH RIJSWIJK
	P.O. Box 1090, 2280 CB RIJSWIJK
	The Netherlands
Notified Body No:	1234
Name of the product:	Beele Rise/Nofirno
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This classification report contains 5 pages and can only be used completely.

1 Introduction

This classification report gives the classification of the fire resistance of three multiple cable penetrations manufactured by Beele Engineering BV, through an aerated concrete wall (thickness 150 mm) according to the procedures in EN 13501-2: 2003.

2 Details of the classified product

2.1 General

An aerated concrete wall (thickness 150 mm) with three multiple/single cable penetrations which were sealed with Beele Engineering Rise/Nofirno.

2.2 Product description

The element was built up as follows:

- An aerated concrete wall (thickness 150 mm) with different apertures refer to figure 1;
- Penetrations numbers two, five and eight were sealed with the Rise/Nofirno sealing system.

3 Test reports/extended application reports & test results in support of classification

3.1 Test report

Name of the laboratory	***Name of the assignor***	***Test reports application report Nos.***	***Test method application rules & date***
Efectis Nederland BV P.O. box 1090 2280 CB Rijswijk The Netherlands	Beele Engineering BV	Efectis report 2008-Efectis-R0629	EN 1366-3:2004

3.2 Test results

Test method & Test number	***Criterion***	***Results***
EN 1366-3:2004	Integrity [E] *flames* *cotton pad* *gap gauges* Thermal isolation [I] $I_{maximum}$	 126 126 126 126

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 7.5.8 of EN 13501-2:2003.

4.2 Classification

Three multiple/single cable penetrations sealed with Beele Engineering Rise/Nofirno, through an aerated concrete wall (thickness 150 mm), are classified according to the following combinations of performance parameters and classes as appropriate.

Fire resistance classification:
EI 120
EI 120

4.2.1 Field of application

The test results are only valid for penetrations, which are the same in detail to the investigated construction, including materials and means of assembly used. Also the following conditions have to be satisfied:

1. with regard to the supporting construction, a rigid wall construction with a minimum fire resistance of 120 minutes according to EN 1364-1:1999/C1:2001 and a minimum thickness of 150 mm;
2. maximum dimensions of the different apertures are equal or smaller than described in this report, provided that the total amount of cross sections of the cables (core and insulation) does not exceed 60 % of the penetration;
3. penetration sealing systems en treatments of the surfaces as described in this report;
4. cables:
    a. insulated cables with brass conductors with a diameter equal or smaller then investigated;
    b. total area of the diameters of the cables (core and insulation) is also equal or smaller then investigated;
5. the distance between the supporting constructions, of the penetrated materials, and the penetrations are the maximum distances.

4.3 Limitations

This classification document does not represent type approval or certification of the product.

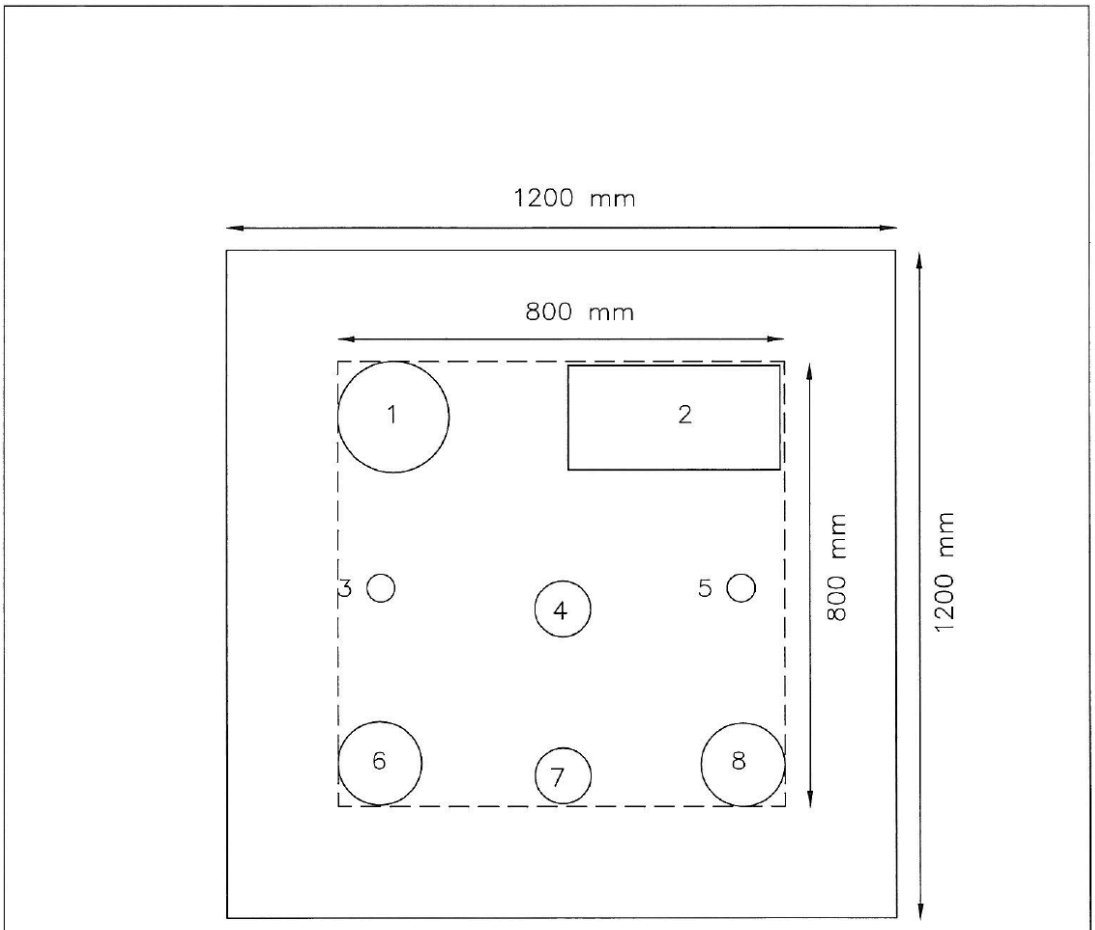




Ing. R.D. Scheepe
signed

Ing. M.N. Slappendel
approved

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1) DRILLED HOLE 200 MM WITH CABLES - SLIPSIL MPM PLUG 200/7X43	SL054E
2) CONDUIT 400X200 MM WITH CABLES - RISE/NOFIRNO	N0029E
3) DRILLED HOLE 50 MM WITH PVC PIPE 16 MM OD - RISE/ULTRA-ACTIFOAM	R028IE
4) DRILLED HOLE 100 MM WITH PVC PIPE 40 MM OD - RISE/ULTRA-ACTIFOAM	R028IE
5) DRILLED HOLE 50 MM WITH CABLE BUNDLE 6 MM - RISE/NOFIRNO	N0029E
6) DRILLED HOLE 150 MM WITH ABS PIPE 75 MM OD - RISE/ULTRA-ACTIFOAM	R028IE
7) DRILLED HOLE 100 MM WITH PB PIPE 63 MM OD - RISE/ULTRA-ACTIFOAM	R028IE
8) DRILLED HOLE 160 MM WITH CABLE 105 MM OD - RISE/NOFIRNO	N0029E

BEELE ENGINEERING

Description: test set-up EFECTIS/TNO test 20.06.08

Mat.: SLIPSIL plugs/NOFIRNO

Ref.: JAB | Date | 29.05.08 | Scale:

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Rev. 1		JAB	T0239
Rev. 2		JAB	

Figure 1: Test specimen