

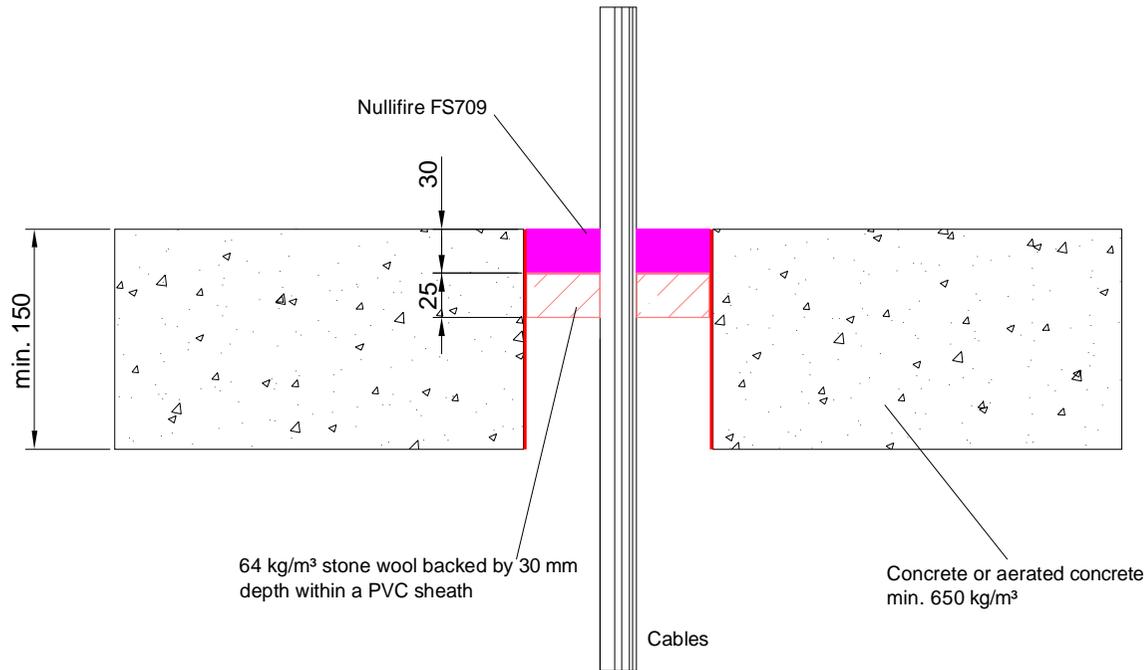
Nullifire Technical Drawings

FS709 Intumescent Sealant Electrical Service Penetrations Through Floors

Table of Contents

- ▶ Cables within PVC pipe or sheath penetrating through a rigid floor construction (FS709-SL1)
- ▶ Cables penetrating through a rigid floor construction (FS709-SL2)
- ▶ Electrical and telecom cables penetrating through a rigid floor construction (FP709-SL3a & FS709-SL3b)

**Nullifire
FS709-SL1**



APPROVAL:

ETA 17/0388

Tested cable types and max. Ø of the cables
Look at the table in this detail

FS709-SL1
Fire class; Look at the table in this detail

Additional information ETA-approval/ Annex A.

Technical installation instructions need to be followed installing the products.

The max. seal opening size of 50 mm

The max. cross section of services 60 %.

Services	Fire class	Seal construction
50mm / 2mm wall PVC sheath containing 2xØ19-23mm single sheath wires and a three core twin and earth cable	E120	30mm depth Nullifire FS709 flush to the top face, backed by 30mm depth stone wool insulation min. 64kg/m³, within PVC pipe/sheath
50mm / 2mm wall PVC sheath containing 6 x three core twin and earth cable		

THE CONTENTS OF THE DRAWING

Cables within PVC pipe or sheath penetrating through a rigid floor construction

DESIGNER

REV

DATE

27.9.2018

SCALE

Not scaled

DETAIL MARK

FS709-SL1

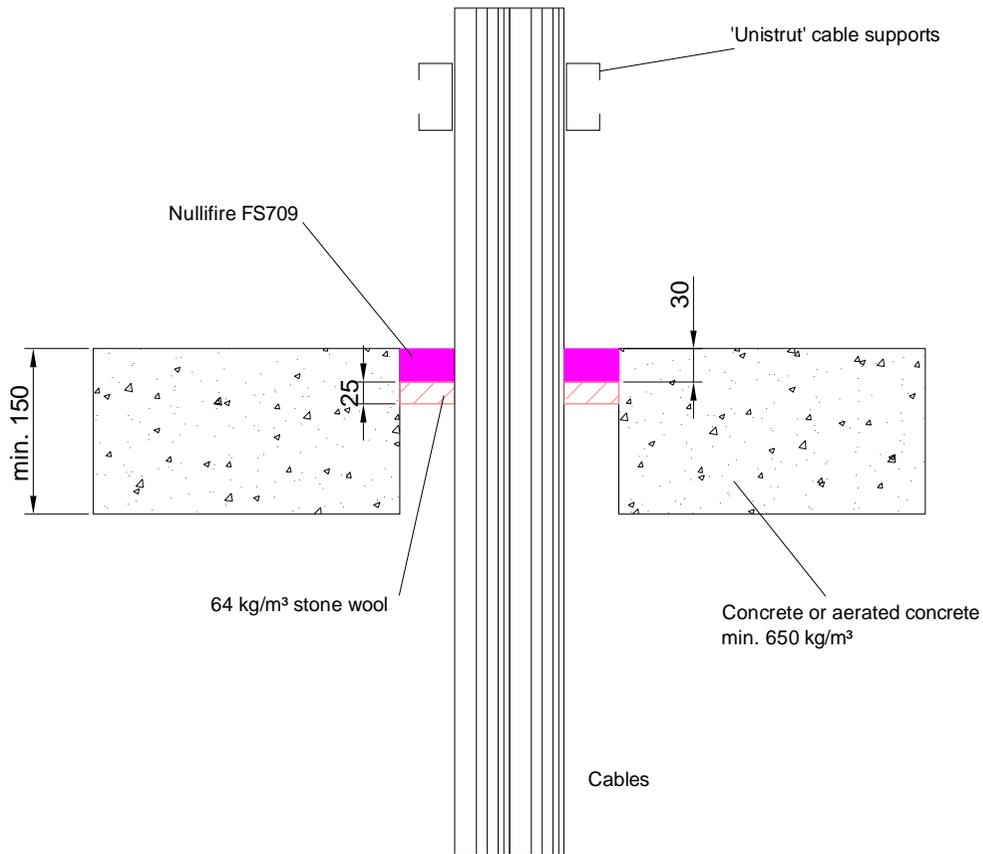
Nullifire has provided this specification on the basis of the data and information given to Nullifire by the customer, the Nullifire product information and level of technical knowledge this specification relates to is expected to provide the level of fire performance, should the proposed detail be subjected to the standardised fire resistance performance against which the judgment has been made.

- The accuracy of this specification relies on the following:
1. Only Nullifire products as defined in the specification are used.
 2. The specific products are installed by a competent person, utilising Nullifire installation manual and data sheets noting limitations.
 3. The proposed specification has been checked by the user.
 4. For Details on CE Marked Products Refer to the CE Technical Data Sheets.

SEAL OF APPROVAL MUST BE VERIFIED IF THIS DOCUMENT HAS BEEN MODIFIED

Nullifire

**Nullifire
FS709-SL2**



APPROVAL:

ETA 17/0388

Tested cable types and max. Ø of the cables
Look at the table in this detail

FS709-SL2
Fire class; Look at the table in this detail

Additional information ETA-approval/ Annex A.

Technical installation instructions need to be followed installing the products.

The max. cross section of services 60 %.

Services	Fire class	Opening size	Seal structure
20 No. 3-core twin and earth cables	EI120	Ø80mm	30mm depth Nullifire FS709 flush to the top face, backed by 25mm stone wool insulation min 64kg/m³
36 No. Cat 5 cables			

THE CONTENTS OF THE DRAWING
Cables penetrating through a rigid floor construction

DESIGNER	REV
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DATE 27.9.2018	SCALE Not scaled
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DETAIL MARK
FS709-SL2

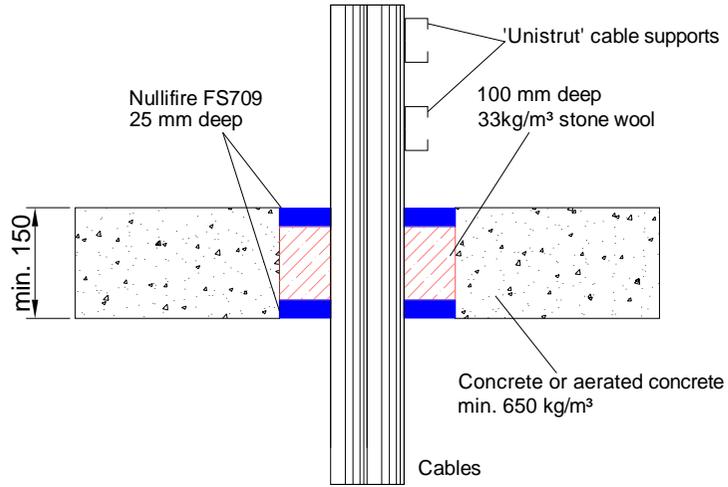
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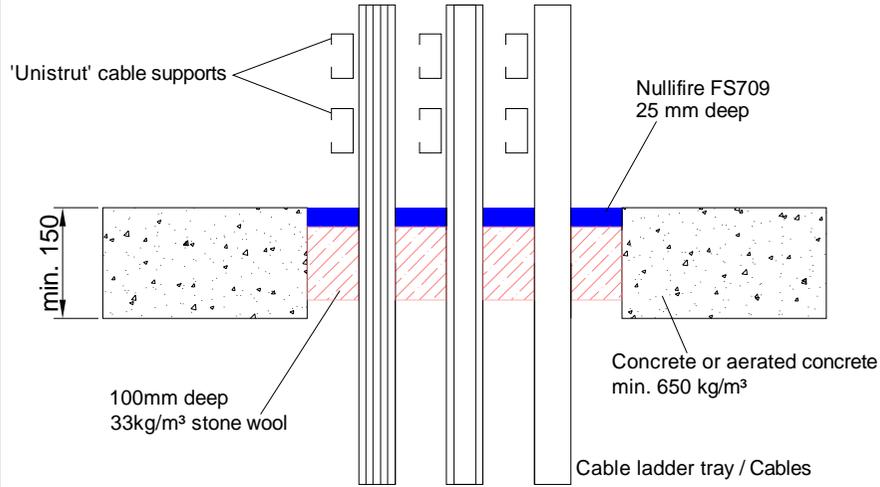
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Nullifire

**Nullifire
FP709-SL3a**



**Nullifire
FS709-SL3b**



APPROVAL:

ETA 17/0388

Tested cable types and max. Ø of the cables
Look at the table in this detail

FS709-SL3a-b
Fire class; Look at the table in this detail

Additional information ETA-approval/ Annex A.

Technical installation instructions need to be followed installing the products.

Min. 20 mm to edge of seal and between services

The max. cross section of services 60 %.

The min. permitted separation between adjacent services 30 mm

Services	Fire class	Opening size	Seal construction
Electrical cables up to Ø21mm and steel cable trays and ladders up to 500mm wide	EI45	600x600 mm	25mm depth Nullifire FS709 flush to the top face, backed by 100mm stone wool insulation min. 33kg/m³
Electrical cables up to Ø80mm, telecom cables up to Ø21mm, including bundles up to Ø100mm and non-sheathed wires up to Ø24mm	EI30		
Electrical cables up to Ø21mm, telecom cables up to Ø21mm and non-sheathed wires up to Ø24mm	EI120	50x50 mm	
Telecom cables up to Ø21mm, including bundles up to Ø85mm	EI45	200x200 mm	

THE CONTENTS OF THE DRAWING

Electrical and telecom cables penetrating through a rigid floor construction

DESIGNER	REV
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DATE	27.9.2018
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SCALE	Not scaled
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DETAIL MARK
FS709-SL3a-b

