


**This certificate of compliance validates the following**

**TEST REPORT NUMBER:** 3736/388/10<sup>1)</sup>      **CERTIFICATE NUMBER:** UAE-039/15  
**DATE OF ISSUE:** 2010-12-03      **DATE OF ISSUE:** 2015-06-30  
**DATE OF EXPIRY:** N/A      **DATE OF EXPIRY:** 2020-06-29

<sup>1)</sup> see also additional test reports and documents on the back of this document

<b>NAME OF FACTORY/ MANUFACTURER:</b>	Zapp-Zimmermann GmbH	<b>NAME OF THE BRAND:</b>	Fire Protection Foam ZZ 330	<b>CERTIFICATION MARK:</b>	
<b>FACTORY ADDRESS/REGION:</b>	Marconistr. 7 - 9 D-50769 Köln Germany Tel: ++49(0)221-97061-0 Fax: ++49(0)221-97061-929 Email: <a href="mailto:info@z-z.de">info@z-z.de</a>	<b>MODEL/NO:</b>	-		
		<b>LOGO ON THE PRODUCT:</b>			

**DESCRIPTION OF THE PRODUCT:** Mixed penetration seal based on an intumescent foam for temporary or permanent use to shut openings made for cables and/or pipes in flexible and rigid walls and rigid ceilings as well as in shaft constructions in order to maintain the fire-resistance of the wall or the ceiling where they are penetrated.

**TEST STANDARD:** EN 1366-3; EN 1363-1  
**TEST DESCRIPTION:** The test was carried out in accordance with EN 1366-3 and EN 1363-1 on wall/ceiling constructions with installations as cable trays, cables, cable-bundles and pipes where the gaps were filled with the mixed penetration seal. The performance parameters were integrity and thermal insulation. The testing time was more than 120 min.

**SPECIFICATION OF TEST SPECIMEN:** The installations (cable trays, cables, pipes etc.) were placed in the recesses of the mixed penetration seal. Additional loads were used for the cable trays. According to the test standard attention was paid to the number and positions of the installations as well as to their distances among themselves and to the reveals.

TEST RESULT:	MAINTENANCE OF FUNCTION	INTERPRETATION	RESULT
	INTEGRITY FOR 120 MIN	SUCCESSFUL	PASS
	THERMAL INSULATION FOR 120 MIN	SUCCESSFUL	PASS

**NAME OF TEST FACILITY:** MPA Braunschweig  
**TEST FACILITY** Beethovenstr. 52, D-38106 Braunschweig  
**ADDRESS/REGION:** Tel: ++49(0) 531 391 5400, Fax: ++49(0) 531 391 5900  
Email: [info@mpa.tu-bs.de](mailto:info@mpa.tu-bs.de), Website: [www.mpa-tu-bs.de](http://www.mpa-tu-bs.de)

**PRODUCT APPLICATION GUIDELINE (END USE):** The penetration seal must be used according to the provisions in the manufacturer's manual. Prior to assembly and installation the personnel must be instructed.

SIGNED BY:



Dr.-Ing. W. Hinrichs  
Head of Certification

The above certificate is valid only when installed in accordance with the 'Product Application Guideline (End Use)'. To verify the validity of the product please log into our website, click on 'others' and then on 'certificates'. You will find a list of manufacturers and a certificate with the number as given above.

<b>ACCREDITED BY:</b>	<b>DAkks</b>	<b>DAkks</b>
<b>AS PER:</b>	<b>ISO/IEC 17065</b>	<b>ISO/IEC 17025</b>
<b>VALIDITY:</b>	<b>1<sup>st</sup> NOVEMBER 2017</b>	<b>18<sup>th</sup> MARCH 2017</b>
<b>REFERENCE NUMBER:</b>	<b>D-ZE-11267-01-00</b>	<b>D-PL-11267-03-00</b>

**THE LIST OF ACCREDITED TESTS (FIRE AND LIFE SAFETY PRODUCTS ONLY)**

TEST STANDARD	TITLE
EN 1363-1	Fire resistance tests – Part 1: General Requirements
EN 1366-3	Fire resistance tests for service installations – Part 3: Penetration seals
DIN 4102-9	Fire behaviour of building materials and elements; seals for cable penetrations; concepts, requirements and testing

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**Additional test reports of MPA Braunschweig and other documents for the mixed penetration seal 'Fire Protection Foam ZZ 330'**

**No. 3288/172/09 of 2010-03-25**

**No. 3287/171/09 of 2010-04-29**



**EU approval**

**No. ETA-11/0206 of 2013-06-28**

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