


This certificate of compliance validates the following

TEST REPORT NUMBER: 3289/173/09¹⁾ **CERTIFICATE NUMBER:** UAE-041/15
DATE OF ISSUE: 2011-03-21 **DATE OF ISSUE:** 2015-06-30
DATE OF EXPIRY: N/A **DATE OF EXPIRY:** 2020-06-29

¹⁾ see also additional test reports and documents on the back of this document

NAME OF FACTORY/ MANUFACTURER:	Zapp-Zimmermann GmbH	NAME OF THE BRAND:	Fire Protection Sealant ZZ 333	CERTIFICATION MARK:	
FACTORY ADDRESS/REGION:	Marconistr. 7 - 9 D-50769 Köln Germany Tel: ++49(0)221-97061-0 Fax: ++49(0)221-97061-929 Email: info@z-z.de	MODEL/NO:	-		
		LOGO ON THE PRODUCT:			

DESCRIPTION OF THE PRODUCT: Cable penetration seal to be used temporarily or permanently to shut openings made for cables in flexible and rigid wall constructions as well as rigid floor constructions in order to reinstate the fire-resistance of the wall or the floor where they are penetrated by cables.

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 constructions with cable installations where the gaps were filled with the penetration seal. The performance parameters were integrity and thermal insulation. The testing time was more than 120 min.

SPECIFICATION OF TEST SPECIMEN: The cables were placed in the recesses of the penetration seal. 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, Website: 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.

ACCREDITED BY: DAKKS
AS PER: ISO/IEC 17065
VALIDITY: 1st NOVEMBER 2017
REFERENCE NUMBER: D-ZE-11267-01-00

DAKKS
ISO/IEC 17025
18th MARCH 2017
D-PL-11267-03-00

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

Additional test report of MPA Braunschweig and other documents for the cable penetration seal 'Fire Protection Sealant ZZ 333'

No. 3148/780/10 of 2010-12-21

No. 3135/0295 of 2005-04-29

No. 3249/3743 of 2004-01-27



National and EU approvals

No. Z-19.15-1642 of 2014-10-08

ETA-13/0093 of 2013-06-28