



# Mfpa Leipzig GmbH

Testing, monitoring and certifying body for building material, building products and building systems

Division III - Structural Fire Protection

Dipl.-Ing. Sebastian Hauswaldt

Team 3.2 - Fire behaviour of Building Types and Special Structures

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## Test report no. PB 3.2/15-031-1

11 February 2015

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**Subject matter:** Fire resistance tests on "EVO-Stik Fire Retardant Foam" polyurethane foam joint seals pursuant to DIN EN 1366-4\* in conjunction with DIN EN 1363-1\* with a test duration of 180 minutes in vertical installation situation of massive bearing components with unilateral fire exposure pursuant to standard temperature-time curve, without mechanically induced deformation

**Client:** Bostik Ltd  
Common Road  
Stafford  
ST16 3EH  
United Kingdom

**Date of order:** 06.05.2010

**Samples received on:** 06.05.2010

**Sample taking:** not official

**Identification:** B1 gun foam EXP.03.02.11 / B1 assembly foam EXP.25.03.11

**Date of testing:** 25.05.2010

**Person in charge:** Dipl.-Ing. (FH) E. Dorn

This document consists of 12 pages and 8 annexes.

**This test report does not replace any general building authority certificate according to German building laws.**

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Testing laboratory accredited by DAkkS GmbH in accordance with DIN EN ISO/IEC 17025. The accreditation applies to the testing methods listed in the certificate (marked with \* in this document). The certificate can be seen at [www.mfpa-leipzig.de](http://www.mfpa-leipzig.de).

Testing, monitoring and certification body acknowledged in accordance with the state building code (SAC 02) and notified in accordance with the building product regulation (NB 0800) notified body.

Gesellschaft für Materialforschung und Prüfungsanstalt für das Bauwesen Leipzig mbH (Mfpa Leipzig GmbH)

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**Table of characteristic building material values**

Building material designation	Nominal thickness Dimensions [mm]	Nominal bulk density (dry) [kg/m <sup>3</sup> ]	Moisture content [wgt-%]	Building material classification Test mark
B1 gun foam "EVO- Stik Fire Retardant Foam" Polyurethane foam	-	16	*)	B1
B1 assembly foam "EVO- Stik Fire Retardant Foam" Polyurethane foam	-	26	*)	B1
Mineral wool backfilling Rockwool Rock wool mat Klimarock	30	40	0.84	A2
PBF bat pursuant to DIN 18180 Danogips	12.5	800-900	0.30	A2
Autoclaved aerated concrete bricks	200	600	*)	A1
Plate Galvanised fine sheet	0.6	*)	*)	A1
"Suki" screws 8.0 x 60	8	*)	*)	A1
Metal spike grids 100 x MKD 8/38	8	*)	*)	A1
Washers 8.4 x 20	8.4/20	*)	*)	A1

\*) not determined

Table of characteristic building material values

**Annex 8**

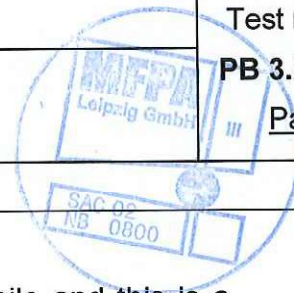
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Gesellschaft für Materialforschung und Prüfungsanstalt  
für das Bauwesen Leipzig GmbH  
Structural Fire Protection



**Authentication**

I have examined the German original/photocopy/facsimile and this is a true translation of the same into English.

Barbara Wohanka, registered translator for the English language at the District Court of Landshut, Germany

Geisenhausen. 25 Februarv 2015