



## Laboratory for fire safety

### Summary of a fire resistance test: FP PU Foam

#### Test

On behalf of Bostik, a test was performed in the Peutz Laboratory for Fire Safety for determination of the fire resistance of several linear joint seals with FP PU Foam in a wall of aerated concrete. The test is performed according to the European test standard EN 1366-4:2006+A1:2010 using the standard heating curve.

This summary provides an outline of the product properties and the conclusions of the test. For a complete description of the examined linear joint seals, please refer to the reports mentioned in the footnote.

#### Classification of the fire resistance

Based on the test performed according to EN 1366-4:2006+A1:2010 and the extended application according to EN 15882-4:2014, the system was classified according to EN 13501-2:2007+A1:2009. Taking into account the possible classification times mentioned in the standard, a linear joint seal made out of FP PU Foam, is classified according to the following combinations of performance parameters and classes



Fire resistance classification (fully filled linear joint seal)	
Thickness wall 100 mm	Thickness wall 115 mm
<p><b>FP PU Foam fully filled</b></p> <p>EI 30 – V – X – F – W 20 to 30                      EI 45 – V – X – F – W 8 to 20                      EI 90 – V – X – F – W 8</p>	<p><b>FP PU Foam fully filled</b></p> <p>EI 45 – V – X – F – W 20 to 30                      EI 60 – V – X – F – W 8 to 20                      EI 120 – V – X – F – W 8</p>

E = Criterion integrity, I = Criterion insulation, V = Vertical application in a vertical wall, X = No movement applied, F = Applied in the field,

W = Permitted width range in millimeters

<p>This summary of a test into fire resistance consists of 2 pages. The reports that form the basis for this summary are available for inspection at the client and are registered as test report Y 1567-1E-RA-002 dated May 4, extended application report YC 1567-2E-RA dated May 4, 2015 and classification report YB 1567-1E-RA-002 dated June 24, 2015.</p>	<p><b>Reference</b></p> <p>JM/HL//YD 1567-1E-RA-002                      24 June 2015</p>	<p><b>Page</b></p> <p>1/2</p>	<p><b>Initials</b></p>
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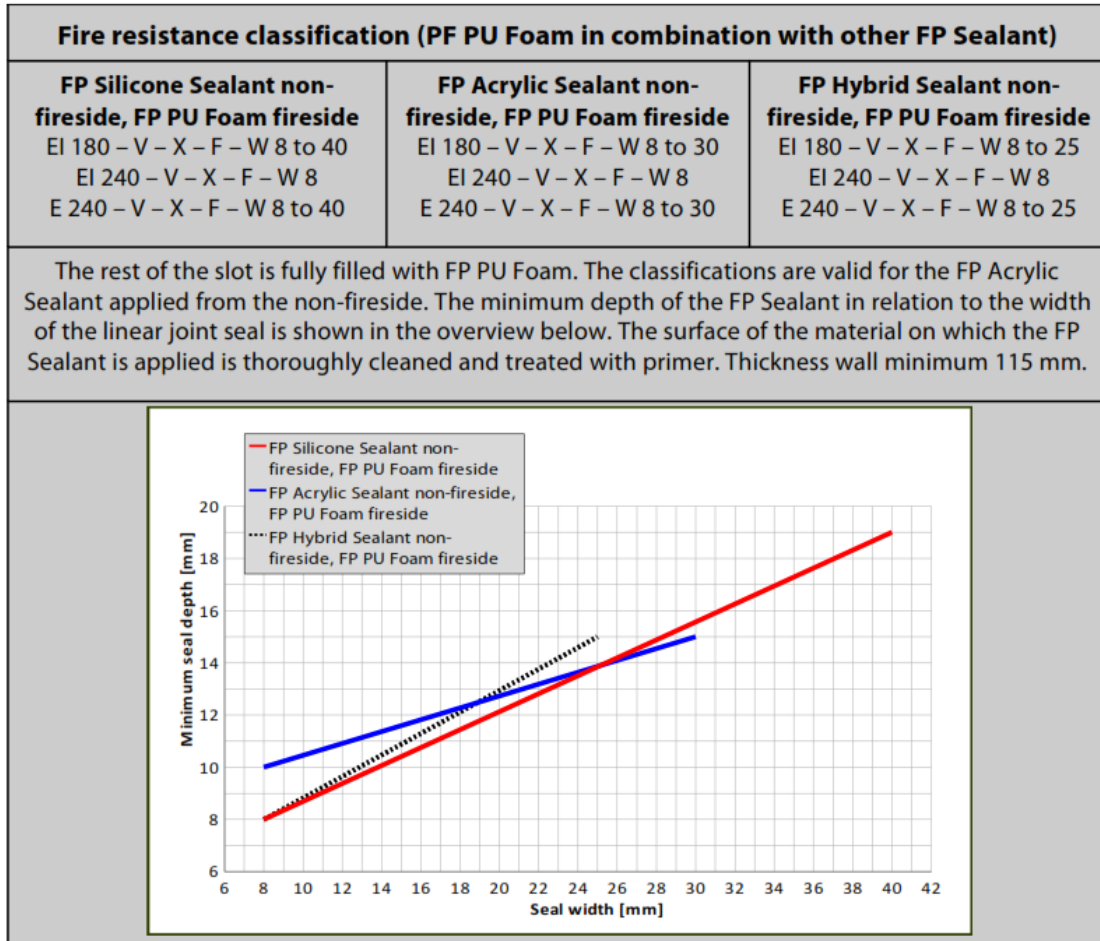
## General conditions and field of application

The classifications are valid for the system as tested. The direct field of application can be summarized as listed below:

- the linear joint seals may be applied in any type of wall of aerated concrete (class G4/600, 650±200kg/m<sup>3</sup> or heavier), concrete, limestone or masonry with a minimal thickness as mentioned in the classifications;
- the classifications are valid for linear joint seals in a vertical orientation in a vertical wall;
- the surfaces of the material on which the FP PU Foam is applied are thoroughly cleaned and moistened with water;
- the linear joint seal must be completely filled with FP PU Foam.

## Additional conditions and field of application FP PU Foam with other FP Sealants

The FP PU Foam can be applied in combination with other FP Sealants. The classifications, additional conditions and the field of application is given in the information below.



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