

Acrylic 2720 Fire Stop Sealant



Fire resistance test in accordance with EN 1366-4

Acrylic 2720 Fire Stop Sealant was tested by an independent laboratory in accordance with EN 1366-4 and following the principles of BS 476 Part 20.

The sealant is applied to a standardized wall or ceiling construction. After curing, the construction is heated in an oven from one side: Temperature on the heated side is 800°C after 25 minutes, 1000°C after 90 minutes and up to 1150°C at the end of the test. Criteria measured are thermal insulation and integrity:

Thermal insulation: Time (in minutes) until temperature on the outside (not heated) of the wall/ceiling increases by more than 180°C

Integrity: Time (in minutes) until heat transfer is sufficient to ignite a cotton wool pad on the outside of the wall/ceiling, respectively until ongoing flames are visible.

Results: Flexible supporting construction (gypsum wall)

| specimen | Width of joint [mm] | Depth of joint [mm] | Integrity [minutes] | Thermal insulation [minutes] |
|----------|---------------------|---------------------|---------------------|------------------------------|
| E | 40 | 10 | > 132 * | > 132 * |
| F | 10 | 10 | > 132 * | > 132 * |

*: no failure until end of test

Sealed on both sides of the gypsum wall, backing material mineral wool

Test laboratory: Chiltern International Fire, report Chilt/RF07155 dated May 20, 2009.

Results: Horizontal lightweight aerated concrete slab

| specimen | Width of joint [mm] | Depth of joint [mm] | Integrity [minutes] | | Thermal insulation [minutes] |
|----------|---------------------|---------------------|---------------------|--------------------|------------------------------|
| | | | cotton pad test | continuous flaming | |
| E | 40 | 30 | 212 | > 241 * | 161 |
| F | 10 | 15 | 213 | > 241 * | > 241 * |

*: no failure until end of test

Sealed on exposed side only. Backing material mineral wool

Test laboratory: Chiltern International Fire, Chilt/FF07003 dated May 18, 2009

UL-Certification

Acrylic 2720 Fire Stop Sealant was tested by Underwriters Laboratories (UL) as sealant in different fire-stop related designs in accordance with ANSI/UL 2079 and UL C-S115. Certified designs: WW-D-1030, FW-D-1026, HW-D-0164, HW-D-1025 and FF-D-1029).

Production of Acrylic 2720 Fire Stop Sealant is **externally controlled** on a regular basis.



FS-Kunststofftechnologie GmbH & Co. KG
B&F-Formulier- und Abfüll- GmbH & Co. KG

Hahnenseifener Straße 15
D-51580 Reichshof / Hahn
Germany

Phone.: +49-2297-9103-0
Fax: +49-2297-1826
Email: fs@fs-kunststoff.com