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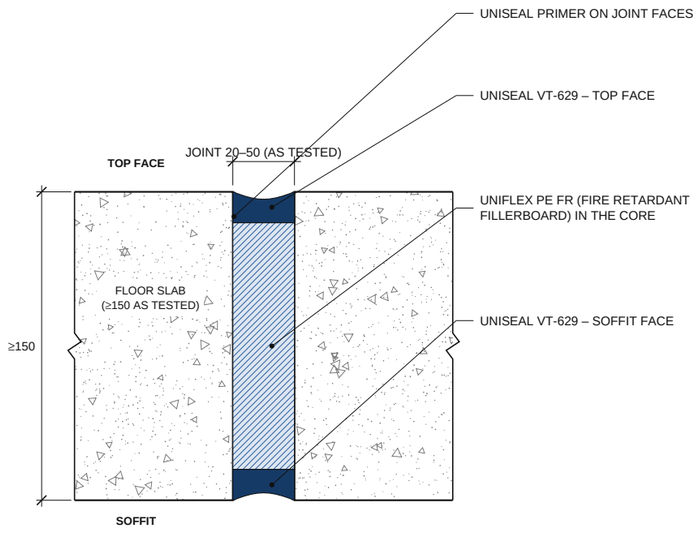
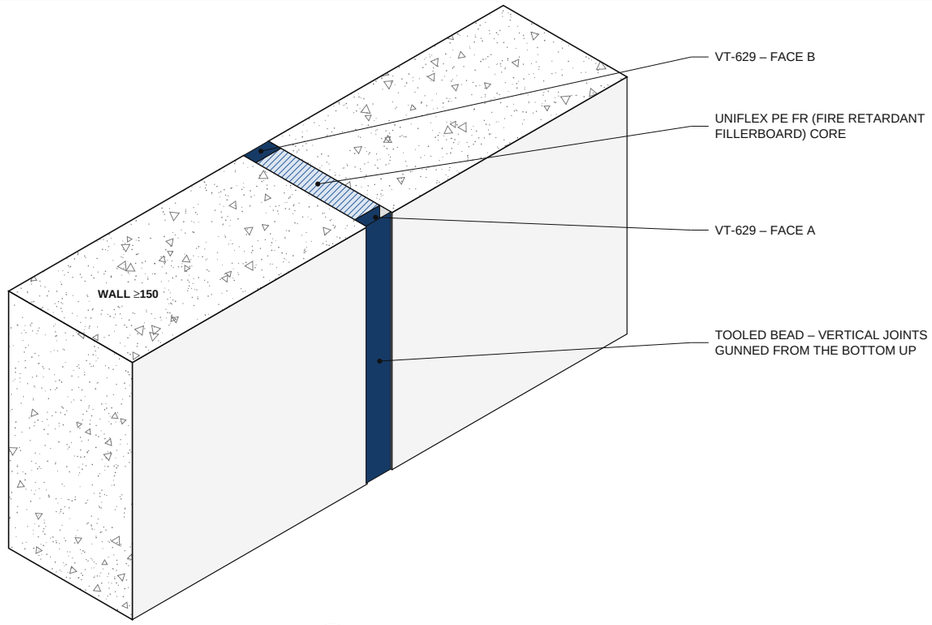


BOTH FACES SEALED = 4-HOUR SYSTEM

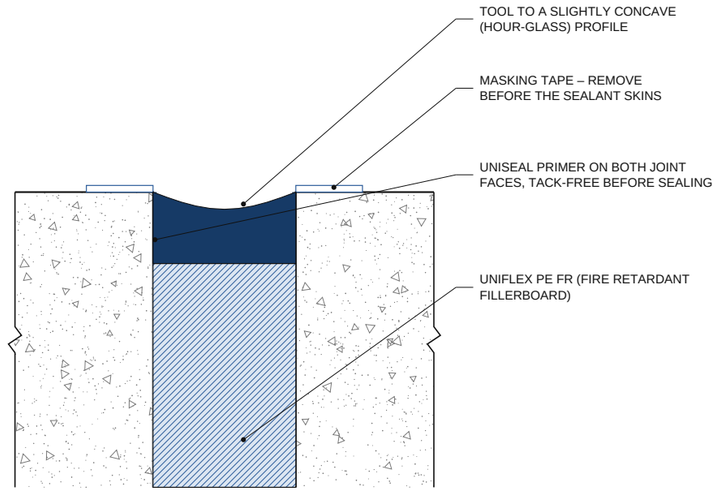
1 FIRE RATED FLOOR JOINT

SECTION – SEALED BOTH FACES



2 FIRE RATED WALL JOINT

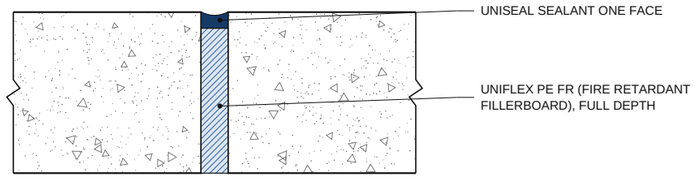
3D VIEW – BOTH FACES SEALED, TOP CUT



NO BACKER ROD: SEALANT IS PLACED DIRECTLY ON THE UNIFLEX PE FR FIRE RETARDANT FILLERBOARD

3 SEALANT FACE – ENLARGED

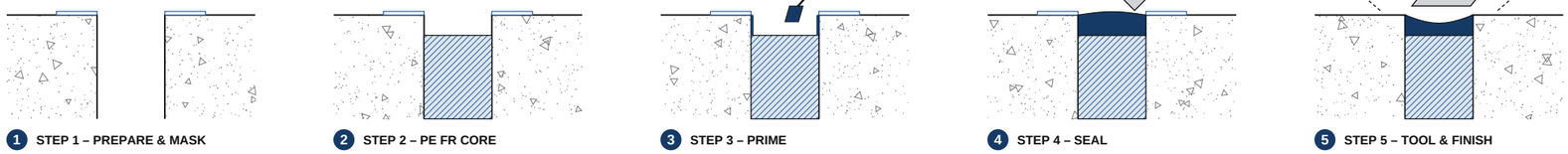
TYPICAL EACH FACE



Fillerboard rating as per the UNIFLEX PE FR Bomba certificate.
VT-629 4-hour joint seal: both faces, see Details 1 – 3.

4 UNIFLEX PE FR JOINT

SECTION – FIRE RETARDANT FILLERBOARD, AS TDS



1 STEP 1 – PREPARE & MASK
Clean, dry, sound faces (wire brush / grind). Mask both edges.

2 STEP 2 – PE FR CORE
Fit UNIFLEX PE FR set back by the sealant depth. No backer rod.

3 STEP 3 – PRIME
Brush UNISEAL PRIMER on both faces; seal tack-free, re-prime after 3h.

4 STEP 4 – SEAL
Gun VT-629 with even pressure, vertical joints from the bottom up.

5 STEP 5 – TOOL & FINISH
Tool concave, pull the tape before skinning. Repeat on the other face.

5 INSTALLATION STEPS – EACH FACE

AS UNITY RELIANCE METHOD STATEMENT – NOT TO SCALE

FIRE TEST SUMMARY – EN 1366-4 (MINUTES, E / I)

VT-629 SEALED ON	FLOOR 20	FLOOR 50	WALL 20	WALL 50
Both faces	**241 / 241**	**241 / 222**	**241 / 241**	**241 / 241**
Unexposed face only	214 / 93	241 / 178	241 / 99	241 / 150
Exposed face only	47 / 6	206 / 42	97 / 10	241 / 51

Warringtonfire Australia FRT240002 (floor) / FRT240003 (wall), 150mm AAC.
E = integrity, I = insulation (control joint).
241 = test stopped without failure. Joint widths 20 / 50mm.

UNISEAL VT-629 (REFER TO TDS)

PROPERTY	VALUE	PROPERTY	VALUE
Base / colour	MS polymer, grey	Elongation (D412)	≥ 200%
Specific gravity	1.62	Modulus 100% (ISO 8339)	< 0.4 MPa
Tack-free	20 – 60 min	Movement capability	±25%
Cure depth (24h)	approx. 3mm	Service temperature	-20 to 90°C
Hardness (C661)	≥ 25 Shore A	Application temperature	5 – 35°C (MS)
Tensile (D412)	≥ 1.0 N/mm²	Packing	600ml x 20 / carton

GENERAL NOTES (FOR GUIDANCE ONLY)

1. 4-hour system: VT-629 sealed on BOTH faces, primed, in joints of 20 – 50mm through a rigid floor or wall at least 150mm thick (tested in AAC). Outside these limits, or for any change to the tested build-up, obtain an assessment from V-tech.
2. NO BACKER ROD – a standard backer rod is not fire rated. VT-629 is placed directly on UNIFLEX PE FR (own Bomba certificate).
3. Bomba certificate JBPM.IP.RNP:700-7/2/1/8-331 (V-tech VT-629): check it is current at the time of submission. Installation must follow the test report and UBBL 1984; the architect / engineer supervises and certifies the installation (Lampiran C3).
4. UNISEAL PRIMER required on both joint faces of fire rated joints. Seal when tack-free; re-prime if not sealed within 3 hours.
5. Faces clean, dry and sound – wire brush, grind or sandblast; abrade glazed or non-porous faces. No sealing in rain or with water in the joint.
6. Set UNIFLEX PE FR back from each face by the sealant depth, tight to both joint faces. No oil- or tar-impregnated backing.
7. Joint width and sealant depth by the consultant within the tested range; TDS: min. depth 6mm, max. width 35mm for vertical joints.
8. Protect until cured (approx. 3mm per 24h). Paint only when fully cured, after a site trial – solvent paints can leave the sealant tacky.

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REVISIONS

REV	DATE	DESCRIPTION
0	29/10/26	FIRST ISSUE
A	30/10/26	SEALANT ON BACKER ROD
B	13/11/26	NO BACKER ROD – SEALANT ON PE FR
C	13/11/26	PE FR = FIRE RETARDANT FILLERBOARD

PRODUCT
UNISEAL VT-629 FIRE RATED SEALANT
UNISEAL PRIMER
UNIFLEX PE FR (FIRE RETARDANT FILLERBOARD)

DRAWING TITLE
UNISEAL VT-629 FIRE RATED LINEAR JOINT SEAL – BOTH FACES

DRAWING NO.
UR-SL-03

REV
C

SCALE	SIZE	DATE	DRAWN
NTS	A3	13/11/26	UR

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