



FIRESTOP SILICONE JOINT SEAL

CFS-SP SIL



SILICONE JOINT SEAL CFS-SP SIL



Areas of application

- Sealing perimeter joints between rated concrete floor slabs and curtain wall facades

Advantages

- Tested according to EN 1364-4 perimeter joints with an EI rating of up to 180 mins
- Tested to AS1530.4 control joints to FRL-/120/120
- Tested to ASTM 2307 perimeter joints - various configurations
- Achieving $\pm 12.5\%$ movement (EAD 350141-00-1106)
- Fast curing, with short tack-free time
- Excellent sprayability, and low slump characteristics
- Rain-resistant after 1-2h
- Excellent mold & mildew resistance
- Sprayable or apply by brush



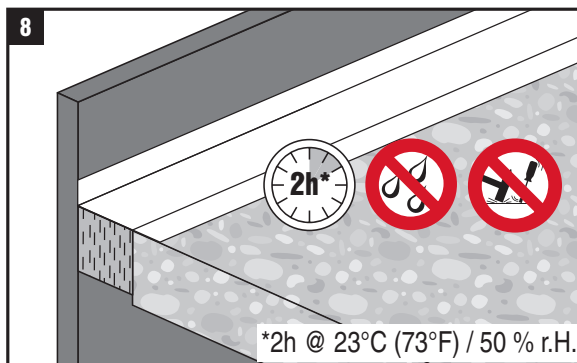
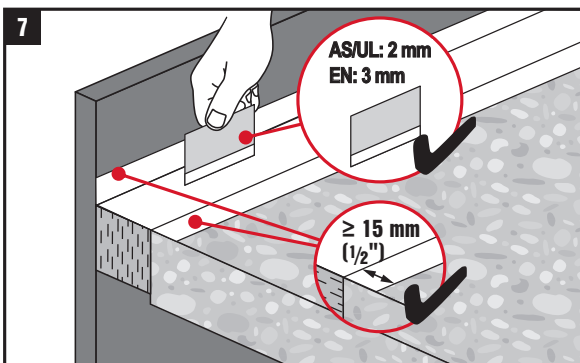
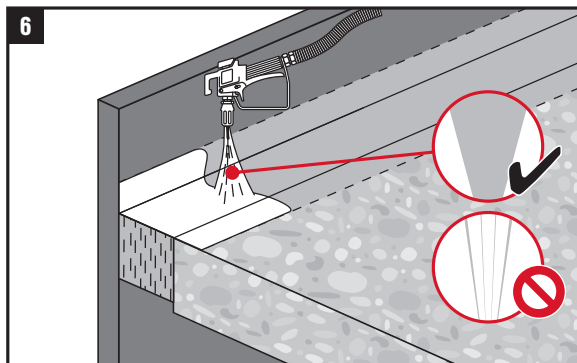
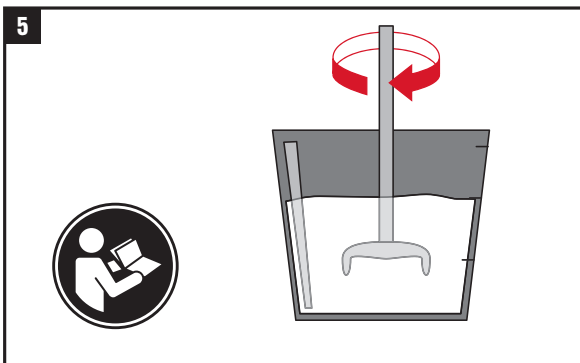
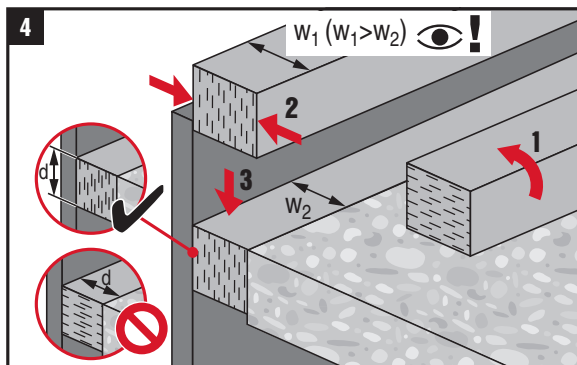
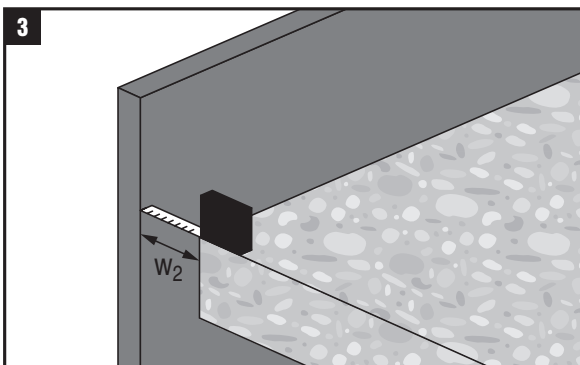
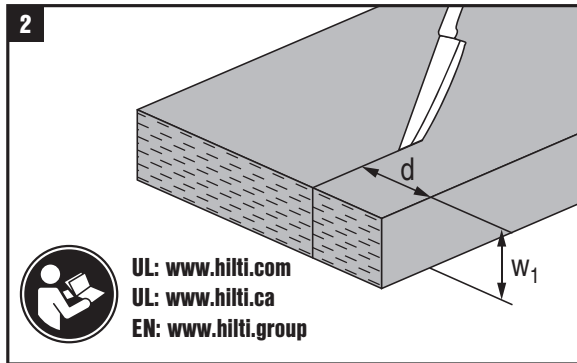
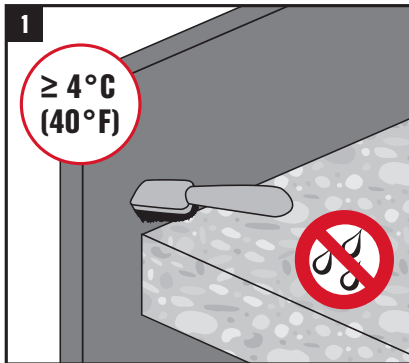
Technical Data

Chemical basis	Neutral cross-linking silicone
Approx. curing time¹⁾	2 mm/5 h
Movement	$\pm 12.5\%$ (ISO 11600)
Shelf life²⁾	12 months
Application temperature range	1.5 °C – 40 °C
Temperature resistance range	-35 – 120 °C
Storage and transportation temperature range	1.5 °C – 25 °C
Colour	Off-white
Complementary products	Mineral wool
VOC GBCA IEQ-13, IEQ-11	72g/l
Packing	19 L pail
Colour	Off-white
Density	Approx. 1.3 g/cm ³
Consistency	Sprayable liquid
Rain Resistance (ASTM E84)	Passed (2 hour rain resistance after 160 min cure time)
Surface Burning Characteristics (ASTMM E84)	Flame Spread: 0 Smoke Development: 50
Elongation at Break	> 200%
Shelf Life	12 months

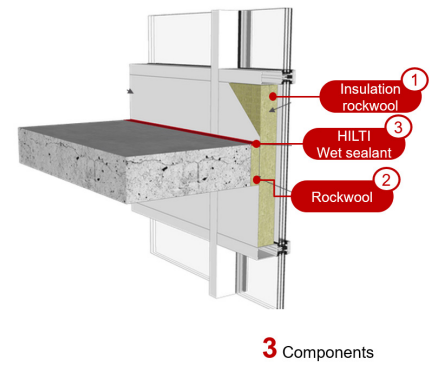
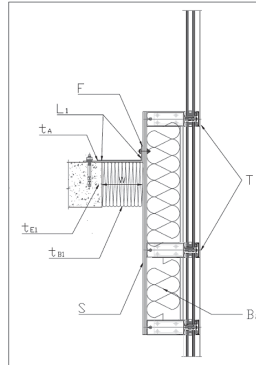
1) at 75 °F/24 °C, 50% relative humidity

2) at 77 °F/25 °C and 50% relative humidity; from date of manufacture

INSTRUCTION FOR USE SILICONE JOINT SEAL CFS-SP SIL



APPROVED APPLICATION



Joint between curtain wall with Steel or Aluminium framing, and rigid floor slab.

Joint Type	Joint between rigid floor slab and curtain wall façade
Rigid floor Depth (t_{e1})	≥ 150 mm
Rigid floor material	Concrete with Density ≥ 2400 kg/m ³
Curtain Wall Façade	Steel or Aluminium Frames
Joint/ Gap width (min-max)	10-150 mm
Mineral Wool Specification	AS 1530.1/ EN 13162 or EN 14303, and rated A1 or A2 according En 13501-1
Mineral Wool Density	≥ 60 kg/m ³
Mineral Wool Depth (t_{b1})	≥ 150 mm
Mineral Wool compression	≥ 33%
Material thickness	AS/ASTM: 2 mm wet film thickness EN: 3 mm wet film thickness
Max EI Rating	180 mins
Movement Capability	±12.5%

ADDITIONAL ATTRIBUTES

Characteristics	Assessment of characteristics	Norm, standard, test																				
	<p>The resulting $R_{w(C; Ctr)}$ and $D_{n, e, w(C; Ctr)}$ values are:</p> <table border="1"> <thead> <tr> <th>Joint width [mm]</th> <th>Seal depth [mm]</th> <th>Coating</th> <th>$R_{w(C; Ctr)}$ [dB]</th> <th>$D_{n, e, w(C; Ctr)}$ [dB]</th> </tr> </thead> <tbody> <tr> <td>38</td> <td>150</td> <td>Topside</td> <td>59 (-1;-5)</td> <td></td> </tr> <tr> <td>200</td> <td>200</td> <td>Both sides</td> <td>38 (-1;-5)^{a)}</td> <td>53 (-1;-4)^{b)}</td> </tr> <tr> <td>200</td> <td>200</td> <td>Top side</td> <td>36 (-1;-3)^{a)}</td> <td>51 (-1;-3)^{b)}</td> </tr> </tbody> </table> <p>^{a)} where $S = 0,3\text{ m}^2$ ^{b)} where $A_0 = 10\text{ m}^2$</p>	Joint width [mm]	Seal depth [mm]	Coating	$R_{w(C; Ctr)}$ [dB]	$D_{n, e, w(C; Ctr)}$ [dB]	38	150	Topside	59 (-1;-5)		200	200	Both sides	38 (-1;-5) ^{a)}	53 (-1;-4) ^{b)}	200	200	Top side	36 (-1;-3) ^{a)}	51 (-1;-3) ^{b)}	<p>According to EN ISO 10140-1, EN ISO 10140-2 & EN ISO 717-1</p>
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<p>Air Tightness</p>	<p>Airflow coefficient <small>area -related</small> $C = 0.0088$ Airflow coefficient <small>length-related</small> $C = 0.0007$ Leakage exponent $n = 1.11$</p>	<p>EN 1026:1026-03 EN 12211:2016-03</p>																				



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