



FIRESTOP SILICONE JOINT SPRAY

European Technical Assessment
ETA-20/1235



SILICONE JOINT SPRAY 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 with an EI rating of up to 180 mins
- 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



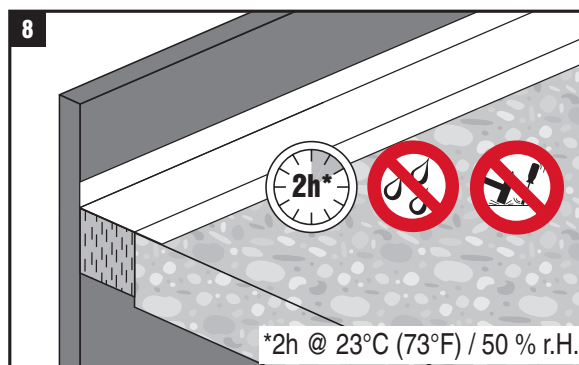
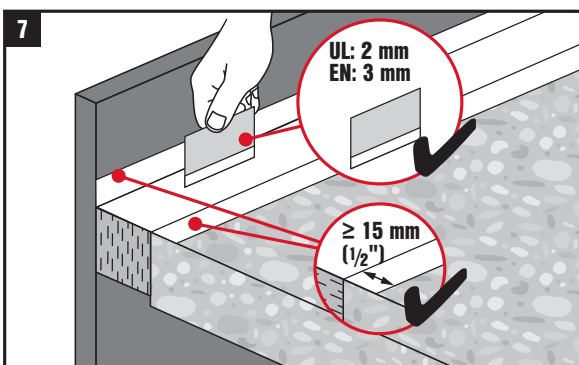
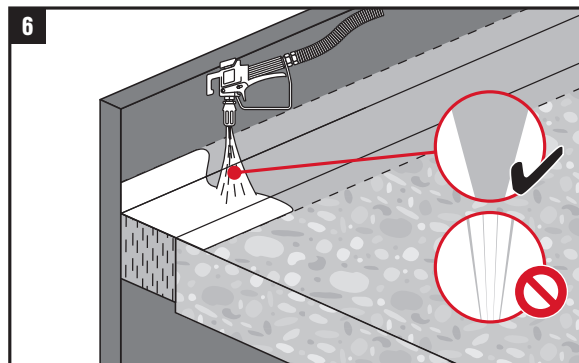
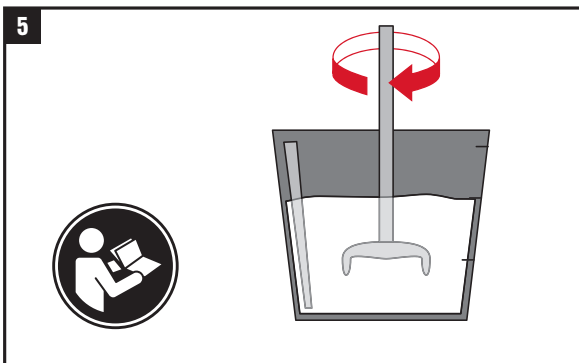
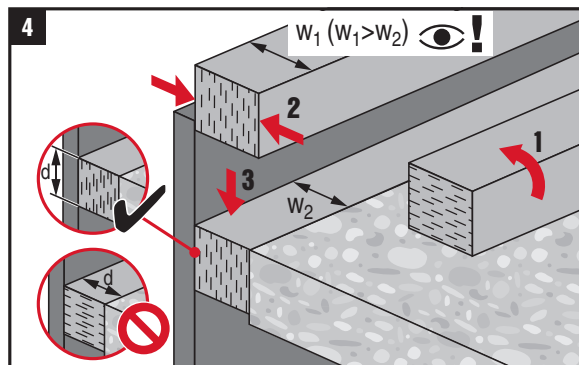
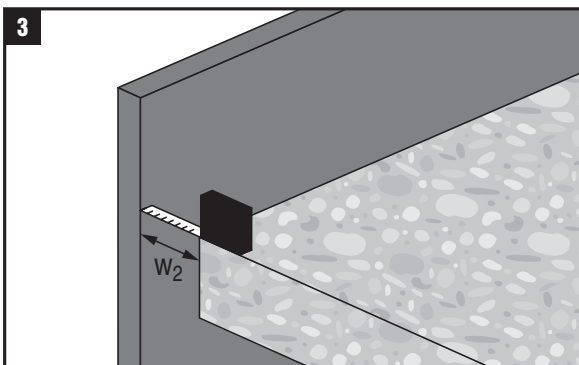
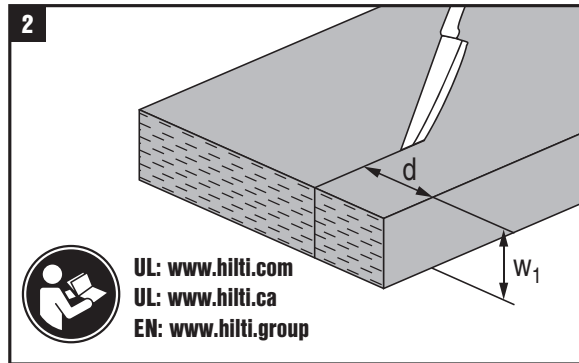
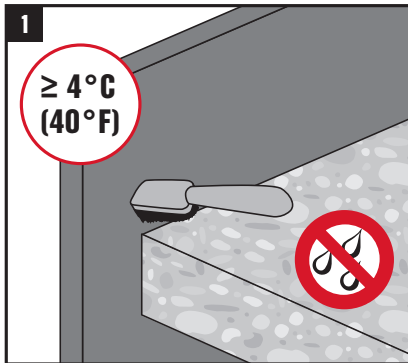
Technical Data

Base materials	Concrete, Masonry, Gypsum, Metal, Steel, Glass
Chemical basis	Neutral cross-linking silicone
Approx. curing time¹⁾	2 mm/5 h
Movement	$\pm 12.5\%$ (ISO 11600)
Acoustics performance	Test report available
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
LEED VOC	65.9 g/l

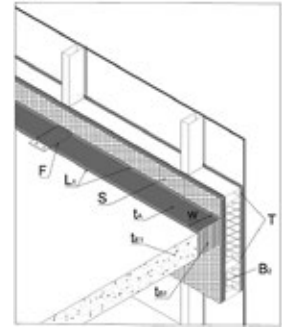
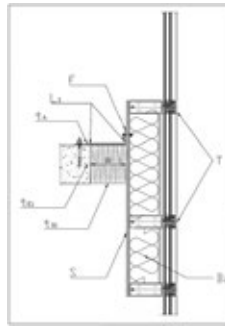
1) at 75 °F/24 °C, 50% relative humidity

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

INSTRUCTION FOR USE SILICONE JOINT SPRAY CFS-SP SIL



ETA-20/1235 SUMMARY



APPROVED APPLICATION

Joint between curtain wall with Steel or Aluminium framing, and rigid floor slab Excerpt from ETA.
Check ETA-20/1235 for exact details

Joint Type	Joint between rigid floor slab and curtain wall façade
Rigid floor Depth (t_{e1}) Rigid floor material	≥ 150 mm 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 Mineral Wool Density	EN 13162 or EN 14303, and rated A1 or A2 according En 13501-1 ≥ 60 kg/m ³
Mineral Wool Depth (t_{b1}) Mineral Wool compression	≥ 150 mm ≥ 33%
Material thickness	3 mm wet film
Max EI Rating	180 mins
Movement Capability	Max ±12.5%

CONSUMPTION GUIDE (PER 19L BUCKET)

Joint width (mm)	Joint Length in m per bucket *
10	140
20	110
50	70
100	40
150	30

* approximate values with 15 mm overlap on both sides of joint, based on ~3 mm wet film thickness.
Assumes ~15% overspray rate.

ADDITIONAL ATTRIBUTES

Characteristics	Assessment of characteristics	Norm, standard, test															
VOC	65.9 g/l	LEED 4.1															
Sound Transmission	<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>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]	200	200	Both sides	38 (-1;-5) ^{a)}	53 (-1;-4) ^{b)}	200	200	Top side	36 (-1;-3) ^{a)}	51 (-1;-3) ^{b)}	EN ISO 10140-1, EN ISO 10140-2 & EN ISO 717-1
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Reaction to Fire	Class E	EN 13501-1:2007 +A1:2009															
Content and/or release of dangerous substances	Declaration of conformity	European Council Directive 67/548/EEC and Regulation (EC) No 1272/2008 as well as EOTA TR 034, edition October 2015															



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