

CSL-382 Technical Data Sheet

Non-Slump Silicone Firestop

1. PRODUCT NAME

CSL-382 Non-Slump Silicone Firestop

2. FEATURES

- Neutral cure formulation
- Withstands +100%/-50% joint movement
- Resists passage of water, smoke, dust and toxic gases
- Approved by UL® for firestop systems: CAJ0021, CAJ0022, CAJ1049, CAJ1050, CAJ5026, CAJ8008 and CAJ8009

3. PRODUCT DESCRIPTION

CSL-382 is a non-slump one-part, fire rated silicone sealant specially designed for use in wall and floor penetration systems.

The non-slump property of CSL-382 will not slump or sag, which makes it ideal for wall penetration fire stop systems. It tools easily to a smooth surface.

CSL-382 may be applied over a temperature range of 0°F (-18°C) to 120°F (50°C) and will exhibit excellent unprimed adhesion to concrete, metals and most other construction

materials, provided they are clean, dry and free of dust or frost. While curing, it does not have the objectionable odor associated with acetoxy cure silicone sealants.

At conditions of 25°C (77°F) and 50% relative humidity. CSL-382 will skin over, within 10 minutes and cure fully within 24 hours.

It will remain flexible indefinitely between temperatures of -45°C (-50°F) to 149°C (300°F). It will not crack or crumble. If the penetration seal needs to be modified at a later date, CSL-382 may be easily penetrated and then resealed with fresh CSL-382 after modifications.

4. INSTALLATION

All surfaces should be clean, dry and frost-free. CSL-382 is a one part system and requires no mixing or additives. Primer is not normally required for most construction materials, although a trial before the commencement of a project is recommended. Should a primer become necessary, please consult CSL Silicones Inc.

Typical Properties

These values are not intended for use in preparing specifications

Uncured	
Type	100% silicone, one-part RTV, non-slump
Appearance	Smooth paste
Specific Gravity	1.13
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	100 g/min.
Application Temperature Range	-18°C to 50°C (0°F to 120°F)
Cure System	Neutral, Moisture Cure
Skin-Over Time at Standard Conditions*	10 min.
Cure Time at Standard Conditions*	24 hr.
Cured	
	At Standard Conditions* for 7 Days
Durometer Hardness (ASTM D2240, Shore A)	10 points
Tensile Strength (ASTM D412)	7 kg/cm ² (100 psi)
Elongation at Break (ASTM D412)	400%
Joint Movement Capability	+100%/-50%
Tear Resistance (ASTM D624, Die B)	3.5 kN/m (20 ppi)
Accelerated Weathering (ASTM C793-91)	No degradation

*Standard Conditions are 25°C (77°F) and 50% relative humidity

A minimum 4" (100mm) thickness of mineral wool batts having a minimum density of 4 pcf should be firmly packed in the opening, leaving a minimum ½" (12mm) recess below the floor surface level. Fill the recess with CSL-382 until it is just about flush with the floor surface.

5. COLORS

CSL-382 is available only in red.

6. PACKAGING

CSL-382 is available in 300ml (10.2 fl oz) caulking cartridges and 19L (5 US gallon) pails.

7. STORAGE

CSL-382 when stored in original unopened container at or below 32°C (90°F) has a one year shelf life from the date of manufacture. Most products however, will last longer if stored in cool dry conditions.

8. SAFETY PRECAUTIONS

CSL-382 uses a neutral cure system, so no acetic acid or objectionable by-products are evolved during cure. Adequate ventilation should be provided with extensive use of this sealant. On direct contact, uncured sealant may irritate eyes. Flush well with water and call a physician. Avoid prolonged contact with skin. See Material Safety Data Sheet available on this product. **KEEP OUT OF REACH OF CHILDREN.**

9. APPROVED USE

CSL-382 is designed for sealing floor penetrations against the passage of smoke, water, dust and toxic gases. It is approved by UL® for use in XHEZ Through- Penetration Firestop Systems with F ratings up to 3 hours and T ratings up to 2 hours. Please consult the latest UL® Fire Resistance Directory.

10. WARRANTY

CSL Silicones Inc. warrants that its products will meet its specifications. CSL shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, CSL's liability, expressed or implied, is limited to the stated selling price of any defective goods.

Data is subject to change without notice and it is therefore recommended that this information not be used for specification writing. For additional information on specific applications, contact the manufacturer.

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