



Feature

- 2 Component
- Fire-stop
- ASTM E 84,

Benefit

- Excellent fire stopping
- Solvent free

Main Ingredients

- Silicone polymer

KCC Corporation

TDS

KCC KORESEAL

Technical Data Sheet _ Fire-Stop Silicone Foam

QS119F

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1. Introduction

FIRE-KORESEAL QS119F is a Two-component Silicone RTV FOAM with outstanding resistance of Fire stop (Fire Seal). FIRE-KORESEAL QS119F is a CERTIFICATES OF ASTM E 84.

2. Application

- * fire-stopping and Joint Sealing to building.
- * water-proofing and fire-stopping of electric facilities.
- * Joint Sealing to Drywall , Cable tray

3. Main Properties

- * Excellent fire stopping
- * Excellent weathering resistance.
- * Good elasticity and sealing performance

4. Properties

(Tested at 23 °C, 50 % relative humidity)

Properties		Part A	Part B
Curing Properties	Appearance	Black	White
	Specific gravity (25°C)	1.1	1.1
	Viscosity	8 Pa·s	8 Pa·s
Cured Properties	Appearance	Soft Foam with Black color	
	Pot life (23 °C)	1~3 min	
	Density	0.2 ~ 0.4 (g/cm ³) (ASTM D 3575)	
	Expansion rate	Min. 250 %	
	CELL Structure	Closed cell	
	Fire resistance	Excellent	

* ASTM: American Society for Testing and Materials

Notice 1) These property values are tested in a lab condition. They might be changed by testing and storage conditions.

2) Please contact to KCC sales office before writing specifications on this product.



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5. How to use

1) Mixing Ratio & Pot life

KCC QS119F Silicon foam should be mixed in a ratio of 1 : 1 PTA to PTB by weight for optimal properties. At this mixing ratio, typically pot life is 1~3 min (at 23°C , 50%RH)

2) APPLYING SEALANT

After mixing of PTA, PTB, working time should be finished before pot life (1~3 min).

QS119F should be applied according to its expansion rate into a joint.

Applying sealant deeply into the parts of joint for sealant. Sealant must be filled into the joint cavity perfectly.

3) INSPECTION

Inspection should be done after sealant is cured. If any voids are there, they should be filled with QS119F.

4) CLEANING

Clean all stuffs around sealant cure area and do not touch when sealant is curing.

6. Limitation

KORESEAL QS119F should not be applied :

- 1) To building materials of adhesive hindrance or discoloration that bleed oil, plasticizer or solvent and so on.
- 2) In totally confined spaces
- 3) To wet surface (on frost-laden or damp surfaces).
- 4) For continuous immersion in water or in below-grade applications.
- 5) Surface in direct contact with food.
- 6) For continuous high pressure and high temperature.
- 7) Joint region that wear is expected by physical friction.
- 8) Region that paint is required to sealant.

Confirmation is necessary in regard of KORESEAL QS119F before use.

- 1) Apply after adhesive test although most building materials and coherence are excellent.
- 2) Resources that sealant and commensurability are not cause change of color and adhesion delinquency.



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7. Handling Precautions

- 1) Store in original unopened containers in a dry place. Temperature should not exceed 25 °C for prolonged periods.
 - 2) Keep in place that child's hand does not touch and never ingest or do not touch in skin.
 - 3) Keep or do work at neighborhood of heat or fire.
 - 4) Do not use besides service.
 - 5) Do not inflict shock in receptacle.
 - 6) Avoid direct ray of light and keep in state that is tightly shut in place that moisture is less.
 - 7) Do not mixing with other products.
 - 8) Wash cleanly after work.
 - 9) Abolish through waste processing company.
 - 10) As change in quality can be at long term storage, use in validity.
- ※ Inquire other questions to customer service.
- ※ When there is something wrong to product, it compensated by compensation regulation.

8. Safety and Storage

- 1) Use it within 3 months from the day of manufacture.
- 2) Store in a cool dry place out of direct sunlight.
- 3) Keep out of the reach of the children.

9. Packaging

- 19 L PE CAN, 20kg



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10. Warranty Information – *Please read carefully*

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use.

KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted.

KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages.

Suggestions of use shall not be taken as inducements to infringe any patent.

11. Issued date

- The date of first issue : 2010.10.12
- Revision date of issue : 2016.09.22

※ Please, refer product MSDS for more details regarding safety information.