

Product Data Sheet:

Revision Date: 05/24/19

Technical Service
(888)780-3229 (Option 2)



Corro Flexi-Caulk 4916

(Formerly 904CS AM Corro Flexi-Caulk)

Product Description

2-Part, 100% solids flexible joint filler. Special Epoxy / Urethane Hybrid Polymer which maintains 100% elongation while also providing high chemical resistance. **Cold application version – 40°F (4.5°C)**
U.S.D.A. and C.F.I.A. Compliant
V.O.C. Compliant/Low Odor
Solvent Free
Formulated with NOVEX-AMG™.
A patented natural, organo-metallic antimicrobial additive.

Colors

- Available in Corroshield Standard colors.
- Custom color matching available

Packaging

- 1 Quart Kit
- 1/2 Gallon Kit
- 1 Gallon Kit

Mix Ratio by Volume

- 6:1 Part A to Part B

Coverage: (LNFT Per Gallon)

Inch	1/4"	1/2"
1/4"	308	
1/2"	154	77
3/4"	102.7	51.3
1"	77	38.5

Mixed Weight

(Medium Gray)

Gallon - 9.26 pounds (4.20 kgs.)

- Part A – 8.06 pounds (3.66 kgs.)
- Part B – 1.20 pounds (0.54 kgs.)

Liter – 1.11 kgs. (2.45 Pounds)

- Part A – 0.97 kgs. (2.13 Pounds)
- Part B – 0.14 kgs. (0.32 Pounds)

Common Uses

- **Anti-microbial applications**
- Ideal Joint Filler for Food and Beverage Applications
- Excellent Adhesion with Cementitious Urethane Technology
- Vertical or Horizontal Expansion Joints
- Control Joint Filler for “Green” Concrete Installations
- The most Moisture Tolerant Formulation for Damp Applications
- Sealant for Moving Cracks
- Sealant Around Metal Base Plates, Drains, etc.
- Expansion Joint for Cold Rooms

Features and Benefits

Feature	Benefit
Anti-microbial Formulation	99.999% effective. Works on contact to kill Salmonella, E. Coli, MRSA, Listeria and other bacteria.
Cold Application Formulation	Can be installed after the cold room has begun to be brought to operating temperature
Built in Resiliency for Thermal Shock (Steam Cleaning) and Impact Resistance	Over 10-year history of performance with cementitious urethane applications
Meets ASTM C-884 (Thermal Compatibility with Concrete)	Maintain bond under thermal cycling exposures
Regular set and Fast set Versions are available: Corro Flexi-Caulk 4900/4903	As fast as 3-hour set for foot traffic under various temperatures
Will Remain Flexible to Sub-freezing Temperatures	Ideal joint filler for cold room applications
Bonds Tenaciously to Substrates	Ideal filler for control joints prior to full cure and multiple flooring systems including urethanes
Resistant to the Spillage of Mild Acids, Solvents and Cleaning Solutions.	Ideal sealant for Food and Beverage or Industrial applications
Can be Used Indoors or Outdoors	Versatile joint filler
Color Matching Available	Will match various flooring materials and color schemes



Priming

Corro Flexi-Caulk 4916 is self-priming and does not need a primer on sound concrete; however if priming is needed, prime with Corro Lastic Prime 415 or 404.

Priming with Corro Lastic Prime 415 or 404 is recommended when adhering to stainless steel.

Clean Up

Corro Flexi-Caulk 4916, while still wet, can be cleaned up with low odor mineral spirits, but if allowed to set, then mechanical cleaning or the application of a very strong paint stripper will have to be used.

Application

Do not mix by hand

Obtain a copy of Corroshield Applicator Manual for instructions on how to prepare, mix and apply the material.

The following is only an outline of considerations:

- After proper mixing, can be applied with standard bulk gun.
- After proper mixing, commercial pastry bags can be used to apply the joint filler.

Set Times

Set Times (Slab Temperature)	40°F (5°C)
Pot Life	45 Minutes
Foot Traffic	16 Hours
Forklift Traffic	36 Hours
Full Chemical Resistance	9 Days

- For warmer application temperature installations on “Green” concrete call Corroshield Technical Service.
- For temperatures above 55°F (12.8°C) consider using Corro Flexi-Caulk 4903 or 4900.

Safety

As with all epoxies, good hygienic habits must be observed, and the wearing of protective clothing and gloves is advised. Before using any of the products, please read the container label warnings and their respective material safety data sheets.

Technical Assistance

If you have any questions regarding this product, please call (888)780-3229 (Option 2) for further information. Technical Service Line is “on-call” 24/7 to assist with jobsite applications.

The latest version of the datasheet can be obtained at our website: www.corroshield.com.

Chemical Resistance @ 73°F (23°C)

(Refer to Detailed Chemical Resistance Chart for more information)

Chemical	Rating
Acetic Acid - 10%	OS
Ammonium Hydroxide	OS
Beer	FS
Citric Acid - 10%	OS
Hydrochloric Acid - 10%	FS
Lactic Acid - 10%	OS
Mineral Spirits	OS
Nitric Acid - 10%	OS
Oleic Acid	OS
Phosphoric Acid - 10%	OS
Salt Brine, Saturated	OS
Sodium Hydroxide - 50%	FS
Sodium Hypochlorite - 5%	OS
Sulfuric Acid - 20%	OS

Code: OS - Occasional Spillage (Removed within 8 hours)
 FS - Frequent Spillage

Application Temperatures

For cold application temperatures 35°F (1.7°C) to 55°F (12.8°C)

For warmer applications above 55°F (12.8°C) consider using Corro Flexi-Caulk 4903 or Corro Flexi-Caulk 4900.



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DISCLAIMER: This information is provided to assist with the installation of Corroshield Materials and is of a general nature to assist with a broad range of applications. The technical information and application advice provided is based on Corroshield's current knowledge and experience. Corroshield reserves the right to make changes should additional information become available. No assumption should be made as to either a product's or application technique's suitability for a particular installation. Call Corroshield Technical Service for consultation regarding any specific application. As installations involve many factors beyond our control, Corroshield disclaims all warranties of fitness for a particular use and shall not be responsible for consequential damages (direct or indirect) of any kind.

LIMITED WARRANTY: Corroshield makes reasonable effort to apply exacting standards both to manufacturing and the information provided. All goods of its manufacture by its employees shall be performed in a workmanlike manner. Corroshield warrants products to be of good quality and will replace or refund the purchase price of any products proved defective at our discretion. Any claim regarding product defect must be received in writing within one year from the date of shipment. Satisfactory results depend upon many factors beyond our control. Therefore, Corroshield's sole obligation under this warranty shall be to replace any material which its examination discloses to be a result of defective manufacturing. **CORROSHIELD MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR USE OR MERCHANTABILITY** and Corroshield shall have no other liability for consequential damages (direct or indirect) costs **INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS.** Any change in this warranty or printed recommendations concerning our products must bear the signature of the Corroshield Technical Manager.

