

## Product Data Sheet:

Revision Date: 05/23/19

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



# Corro Flexi-Caulk 916

(Formerly 904CS 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)**  
Resist Bacterial Growth  
U.S.D.A. and C.F.I.A. Compliant  
V.O.C. Compliant/Low Odor  
Solvent Free  
Anti-microbial version available:  
Corro Flexi-Caulk 4916.

## 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

- 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
Cold Application Formulation	Can be installed after the cold room has begun to be brought to operating temperature.
Good Chemical Resistance	See chemical resistance chart for specific exposures
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 900 / 903	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 916 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 916, 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 903 or 900.

## 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](http://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 903 or Corro Flexi-Caulk 900.



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