

Product Data Sheet:

Revision Date: 05/23/19

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



904 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. 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 4900.

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 - 9.14 pounds (4.15 kgs.)

- Part A – 7.92 pounds (3.59 kgs.)
- Part B – 1.22 pounds (0.55 kgs.)

Liter – 1.86 kgs. (4.11 Pounds)

- Part A – 1.61 kgs. (3.56 Pounds)
- Part B – 0.25 kgs. (0.55 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
- Sealant for Moving Cracks
- Sealant Around Metal Base Plates, Drains, etc.
- Expansion Joint for Cold Rooms

Features and Benefits

Feature	Benefit
Working Time of 45 minutes with Foot Traffic Set-time @ 5 hours.	Ideal balance of wide application range, working time and setting time to reduce the risk of tracking.
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
Cold Set and Fast Set Versions are Available: Corro Flexi-Caulk 903 / 916	As fast as 3-hour set for foot traffic and applications to as low as 40° F
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 900 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 900, 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)	73°F (23°C)	90°F (32°C)
Pot Life	45 Minutes	25 Minutes
Foot Traffic	5 Hours	3 Hours
Forklift Traffic	24 Hours	24 Hours
Full Chemical Resistance	7 Days	7 Days

- For 3-hour foot traffic use Corro Flexi-Caulk 903
- 40°F (4.5°C) applications use Corro Flexi-Caulk 916

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

Can be applied to temperatures ranging from 73°F (23°C) to 90°F (32°C).

For cold application temperatures down to 40°F (4.5°C) use Corro Flexi-Caulk 916.

For cooler application temperatures below 73°F (23°C) consider using Corro Flexi-Caulk 903.



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