

Product Data Sheet:

Revision Date: 05/24/19

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



Corro Flexi-Caulk 4903

(Formerly 904FS 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. **Fast setting Version – 3 hours to foot traffic.** 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

- 5:1 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 - 9.09 pounds (4.12 kgs.)

- Part A – 7.67 pounds (3.48 kgs.)
- Part B – 1.42 pounds (0.64 kgs.)

Liter – 1.09 kgs. (2.40 Pounds)

- Part A – 0.92 kgs. (2.03 Pounds)
- Part B – 0.17 kgs. (0.37 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
- 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.
Fast Setting Formulation	Ideal for faster turnover to other trades and limit the risk of tracking.
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 Regular Set Versions are available: Corro Flexi-Caulk 4900/4916	For hot applications 90°F (32°C) and applications to as low as 40°F (5°C)
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 4903 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 4903, 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.
- Be aware of the shorter working time when applying the material

Set Times

Set Times (Slab Temperature)	73°F (23°C)	90°F (32°C)
Pot Life	20 Minutes	N/R
Foot Traffic	3 Hours	N/R
Forklift Traffic	24 Hours	N/R
Full Chemical Resistance	7 Days	7 Days

- For 90°F (32°C) or greater temperatures, use Corro Flexi-Caulk 4900
- 40°F (4.5°C) applications use Corro Flexi-Caulk 4916

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 from 73°F (23°C) or cooler. For cold application temperatures down to 40°F (4.5°C) use Corro Flexi-Caulk 4916. For warmer application temperatures up to 90°F (32°C) use Corro Flexi-Caulk 4900.



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