



Protective & Marine Coatings

GENERAL POLYMERS® 4880 POLYUREA JOINT SEALANT

PART A
PART B

GP4880
GP4880B01

SERIES
STANDARD HARDENER

Revised September 24, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 4880 Polyurea Joint Sealant is a two component, high solids, rapid cure polyurea for control joints and cracks. GENERAL POLYMERS 4880 Polyurea Joint Sealant has a unique combination of hardness and flexibility which supports heavy loads while minimizing (reducing) chipping of joint edges.

ADVANTAGES

- Penetrates and fills without running
- Sufficiently rigid to support heavy loads at joint edges
- Flexible enough to absorb hard heavy wheeled traffic
- Good wear resistance
- Reduces stress cracking and telegraphing
- Can be applied and cures at cold temperatures (-20°F)

TYPICAL USES

- Joint filler for heavy use in industrial floors
- Concrete crack filler
- Control Joints

LIMITATIONS

- Do not use as an expansion joint filler.

SURFACE PREPARATION

Joints should be dry and free of dirt and debris. All curing and sealing compounds should be removed. If there is any doubt about the installation procedures, contact the Technical Service Department prior to installation. Refer to Surface Preparation (Form G-1).

4880 Polyurea Joint Sealant should not be applied to "green" concrete (less than 30 days old, preferably 60 days). Joints must be water and frost free. Fill cracks and joint bottoms with backer rod or 1/8" - 1/4" of 20-30 mesh dry silica sand leaving a minimum of 3/4" depth for sealant.

PRODUCT CHARACTERISTICS

Color: Cures to Opaque Gray
Mix Ratio: 1:1
Volume Solids: 100% ± 2%
Weight Solids: 100% ± 2%
VOC (EPA Method 24): 0

Viscosity, mixed: 1,100 cps

Recommended Spreading Rate per coat: varies by usage

See next page for coverages

@ 73°F (23°C)
To touch: 5-10 minutes
To recoat: 60 minutes
Light traffic: 60 minutes minimum
Wheeled traffic: 2 days minimum
If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.
Pot Life: gallon mass 2 minutes @ 73°F (23°C)

Shelf Life: Part A: 12 months, unopened
 Part B: 12 months, unopened
 Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: 231°F (111°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Adhesion	ASTM D 4541	180-230psi
Elongation	ASTM D 638	460%
Flammability		Self-extinguishing
Hardness, Shore A	ASTM D 2240	80±10
Tear Strength	ASTM D 624	375 pli minimum
Tensile Strength	ASTM D 638	1,600 psi

APPLICATION

The following information is to be used as a guideline for the installation of the GENERAL POLYMERS 4880 Polyurea Joint Sealant. Contact the Technical Service Department for assistance prior to starting project.

Mixing and Application

Cartridge Instructions:

Agitate cartridge to thoroughly mix and any settled pigment components (at least 60 seconds). Remove the end cap. Attached static mixer and the retaining ring.

Cap can be re-inserted to seal a partially used cartridge. To avoid cross contamination, match up the circles and squares on the cap and top of cartridge body.

Temperature

GENERAL POLYMERS 4880 Polyurea Joint Sealant can be applied and cures at -20°F to 140°F. Throughout the application process, substrate temperature should be at least -20°F and less than 140°F. Substrate temperature must be at least 5°F (3°C) above the dew point.

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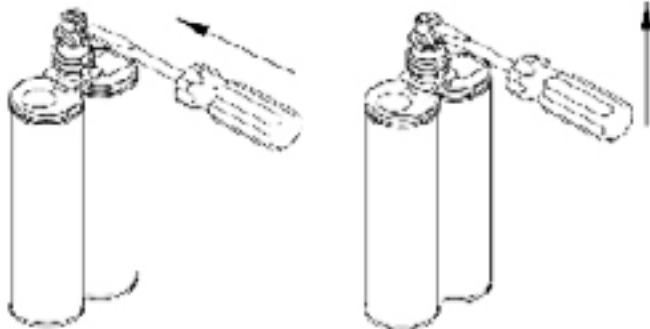
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APPLICATION (CONTINUED)



Joint Size	Approximate Lineal Feet per Cartridge	Joint Size	Approximate Lineal Feet per Cartridge
1/8" x 3/4"	35	3/16" x 2"	8
1/8" x 1"	26	1/4" x 3/4"	17
1/8" x 1 1/4"	21	1/4" x 1"	14
1/8" x 1 1/2"	17	1/4" x 1 1/4"	10
1/8" x 1 3/4"	14	1/4" x 1 1/2"	8
1/8" x 2	13	1/4" x 1 3/4"	7.5
3/16" x 3/4"	23	1/4" x 2"	7
3/16" x 1	17	3/8" x 1"	8
3/16" x 1 1/4"	14	1/2" x 1"	7
3/16" x 1 1/2"	12	3/4" x 1"	4
3/16" x 1 3/4"	10	1" x 1"	3

ORDERING INFORMATION

Packaging:
 Part A: 1 gallon (3.78L) and 5 gallon (18.9L) containers
 Part B: 1 gallon (3.78L) and 5 gallon (18.9L) containers
 20 oz. Dual Cartridge
 Weight: 9.2 ± 0.2 lb/gal; 1.1 Kg/L

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

SHIPPING

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.

- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.