

DuroCaulk

Poly-Sulfide Epoxy Caulk

GENERAL DESCRIPTION

DUROCAULK is an elastomeric poly-sulfide based epoxy system, which is designed to be used as a flexible repair and caulking compound. It is used primarily to fill expansion joints and cover joints. It can be overcoated with other **DUROMAR** linings or maintenance products to enhance physical or chemical properties, if required.

FEATURES

- Max Elongation to 180%
- Cures at temperatures as low as 50°F
- No toxic fumes or odor
- Excellent bond strengths

PACKAGING

DUROCAULK is available in 1 gal. and 1 kg. units.

COVERAGE

DUROCAULK can be applied with a thickness as small as a 1/16" radius bead to a maximum of 2 inches. Theoretical coverage, for one gallon, is 100 linear feet based on a 1/2" radius bead in thickness. Different thickness of the applied bead will change the linear foot coverage.

MIXING RATIO

1.3 parts base (B) to 1 part (A) hardener by weight
1.0 parts base (B) to 1 part (A) hardener by volume

POT LIFE

Working time of material is about 30 minutes.

COLORS

DUROCAULK-PS is available in grey and red.

TECHNICAL DATA AND INFORMATION

Basic Chemical Resistance at Room Temperature:

Inorganic Acids	Very Good
Organic Acids	Good
Solvents	Very Good
Alkalis	Excellent
Salts	Excellent
Alcohols	Excellent
Hydrocarbons	Good

Typical Physical Properties of Cured System:

Density	1.13
% Solids	100
Tensile Strength @ 70°F	1,500 psi
Tensile Adhesion @ 70°F	2,000 psi
Max. Dry Operating Temp	250 °F
Operating pH Range	1.0-14.0
Durometer Shore A	55
Elongation	180%

SURFACE PREPARATION

- For maximum adhesion, material should be applied to a firm, clean, dry and abraded surface.
- Best results will be obtained by abrasive blasting the surface.
- If blasting is impractical, a grinding wheel, needle gun, or very stiff wire brush may be used.
- Clean greasy, oily or waxed surfaces with suitable solvent before applying material.

MIXING

Mix ALL of Part A with ALL of Part B in the Part B bucket. If the materials are cold, warm them to about 70 °F before mixing.



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ISO 9001:2000



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CLEANUP

All mixing and applications tools should be immediately wiped or scraped clean when finished with using.

APPLICATION

For best results, do not apply:

- When temperature is below 40 °F.
- To oily surfaces

DUROCAULK-PS may be applied using either a caulking gun or by hand, using a small trowel or putty knife. Press material thoroughly into the substrate and build up to meet the desired thickness. Smooth over to create the desired surface.

OVERCOATING @ 70°F

DUROCAULK can be overcoated to obtain additional chemical resistance. Overcoating can be done as soon as the surface will not be disturbed by the overcoating process. Since **DUROCAULK** has a thick paste consistency, with care, overcoating can be done almost immediately after application.

CURING @ 70°F

- Tack Free (hours) 10
- Functional Cure (hours) 36
- Full Cure (hours) 120

Q/C

The material should be visually inspected just after application and touched up where necessary.

FORCE CURING

The **DUROCAULK** cannot be force cured to accelerate curing.

STORAGE

Store in dry area in closed containers between 50 °F and 90 °F. Shelf life at these conditions is six months.

HEALTH AND SAFETY

READ AND UNDERSTAND ALL MATERIAL GIVEN IN THE MSDS SHEETS BEFORE USING THE PRODUCT.

DUROCAULK DOES NOT CONTAIN ANY FLAMMABLE MATERIAL OF ANY KIND. HOWEVER, THE MATERIAL IS COMBUSTIBLE. IN THE EVENT OF A FIRE, DRY POWDER, FOAM, OR CARBON DIOXIDE FIRE EXTINGUISHERS SHOULD BE USED. FIRE FIGHTERS SHOULD WEAR RESPIRATORS.

USE PROTECTIVE GLOVES AND EYEGLASSES WHEN USING.

USE IN AREAS OF GOOD VENTILATION.

LIMITED WARRANTY

All recommendations covering the use of this product are based on past experience and laboratory findings. Methods or conditions of application and use of the product are beyond our control. We assume responsibility only for the uniformity of our product within normal manufacturing balances.

All Duromar products are formulated based on over 25 years of experience, laboratory tests, material data, field installations, and technical publications, which we believe to be, to the best of our knowledge, accurate and reliable. This information is intended to be used for guidance only. Because the only true reliable test is one that is in actual operation, Duromar will make available at no charge samples of materials for that testing purpose. Duromar, Inc. has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Duromar, Inc. does, therefore, not accept any liability arising from loss, injury, or damage resulting from such use or the contents of this data sheet (unless there are written agreements stating otherwise). The data contained herein is liable to modification as a result of practical experience and continuous product development. This data sheet replaces and annuls all previous issues, and it is, therefore, the user's responsibility to ensure that this sheet is current prior to using the product.

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