



Technical Data Sheet

**Concrete & Masonry Repair – Acrylic
Product No. 0646**

Description

A premium gray acrylic formulation specially textured to blend with cementitious substrates to provide excellent outdoor durability.

Key Features

- Water Clean Up
- Mildew Resistant (cured bead)
- Easy Application & Tooling
- Excellent Adhesion
- Textured Appearance
- Gray Color
- VOC Compliant

Uses

Use to repair cracks in concrete steps, driveways, sidewalks & to replace missing mortar between bricks & cinderblocks.

Surface Preparation

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint & old caulking. Prime bare surfaces before caulking for best results. Remove mildew by scrubbing with a solution of 4 oz TSP (Trisodium Phosphate), 1 quart of liquid bleach mixed with 3 quarts of warm water. Protect eyes & hands by wearing goggles & chemical resistant gloves. Thoroughly rinse surface & allow to dry completely before caulking.

Directions

1. Clip off tip of spout @ a 45 degree angle to desired size.
2. Load cartridge into caulking gun & apply using steady, even pressure to completely bridge joints.
3. Smooth caulk using a Red Devil Caulk Smoother or a damp cloth for a neat appearance.
4. Wipe away excess with a damp cloth before surface skins over.
5. Protect from exposure to rain or water for 72 hrs for adequate curing. May be painted in 2 to 6 hrs depending on climatic conditions (Larger beads, cooler temperatures & higher humidity will extend drying time).

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight Per Gallon	Gardner Cup	13 +/- 0.75
Specific Gravity	Calculated	1.56
Total Non Volatile % Solids (Weight)	Computrac Analyzer	82% +/- 2.5
Extrudability/Application (as packaged)	Semco Gun (6 oz @ 50 psi)	15 seconds +/- 3
Consistency/Appearance	Visual Observation	Textured, viscous paste
pH (initial)	pH Meter	7 to 10
Odor	Subjective	Mild Acrylic
Base Polymer	Known	Acrylic Emulsion
Pigment/Filler	Known	Calcium Carbonate/Proprietary Filler
Siloxane Adhesion Promoter	Known	Yes
Flash Point	Closed Cup	Greater than 200F; Non-Flammable
Freeze/Thaw Stability	Test Lab 0 F/77 F @24 hrs or ASTM C731	Passes 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 yr @ 72F
Slump	ASTM D2202 Jig	0
Artificial Weathering	ASTM – QUV Tester	No Cracking @ 10,000 hrs QUV
Flexibility	Test Lab	Excellent @ 32F; Good @ 0F
Tack Free Time	ASTM D2377	30 minutes – No stick
Storage Conditions	Test Lab	40F to 90F
Application Temperature	Test Lab	40F to 90F
Service Temperature	Lab Oven/QUV/Freezer/OE Fence	-20 to 180F
Tooling	Test Lab/Field Evaluation	Excellent
Paintability	Test Lab/Field Evaluation	Excellent @ 2 to 6 hrs drying
Tensile Strength @ Break	Test Lab – D-412	10 +/- 2
% Elongation @ Break	Test Lab – D-412	250%
Extension/Recovery	Test Lab – C-736	> 75%

Clean Up

Water & mild soap

For Best Results

- Apply caulk in temperatures between 40F (& rising) & 90F
- Store caulk between 40F & 90F
- Do not use for joints subject to heavy abrasion or wear
- Do not attempt to thin caulk
- Prime bare surfaces before caulking
- For a neat, straight bead edge, mask both sides of joint with masking tape. Remove promptly before skin forms
- Do not "overtool" the applied caulk, leaving too little caulk to perform, following cure
- Allow 4 hrs drying before painting w/ latex paint & 72 hrs w/ oil based paint, depending upon climatic conditions – use a premium paint

Color

Gray - Textured

Packaging

HDPE Cartridge

Limitations

- Apply only to clean, dry, frost-free surfaces
- Do not apply when rain or freezing temperatures are expected
- Protect from rain & exposure to water for 72 hrs
- Not recommended for use in marine applications, below grade applications or under water applications.
- Not recommended for use on automobiles or aquariums
- Not recommended for horizontal applications where water ponding may occur

Environmental, Safety & Transportation Information

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
CARB Compliance	Documents Review	Yes
Prop 65 Ingredients	Documents Review	Yes (See MSDS)
DOT Proper Shipping Name	Review of Regs	Not Regulated by DOT
DOT Hazard	Review of Regs	N/A
DOT UN/NA Number	Review of Regs	N/A
Packing Group	Review of Regs	N/A
VOC Content	Calculated	< 1.5%/wt, < 25 g/L

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. (See MSDS for additional information). WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

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SEE MSDS FOR ADDITIONAL DATA/INFORMATION