

Red Devil, Inc.

Technical Data Sheet

EPC – Elastomeric Patching Compound - 0718

Description

A commercial grade, Textured, Knife Grade Elastomeric Patching Compound, designed to be used on many interior & exterior substrates. Formulated for ease of application & durable enough to perform to professional standards, this VOC compliant water-based acrylic compound can also be used to seal joints in Stucco, EIFS, Cinder Block, Concrete, Brick, Drywall, Plaster, Wood, Glass, Non-Ferrous & Primed Ferrous Metals.

Key Features

- Water-Based
- VOC Compliant & Spec Compliant
- Interior & Exterior Use
- Durable
- Maximum Flexibility
- Excellent Adhesion
- Minimal Shrinkage
- Applies w/ Brush or Putty Knife

Uses

Small applications for knife grade, flexible, textured, elastomeric patch. For sealing joints in Stucco, EIFS, Cinder Block, Concrete, Brick, Drywall, Plaster, Wood, Glass, Non-Ferrous & Primed Ferrous Metals.

Surface Preparation & Directions

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint & patching compounds. Apply appropriate primer for substrate prior to application of EPC, for best results. Chalking should be removed by pressure washing or sealed w/ an alkali resistant surface conditioner. Remove mildew by scrubbing w/ a solution of 4 oz. TSP (Trisodium Phosphate), 1 quart of liquid bleach mixed w/ 3 quarts of warm water. Keep treated surface wet for 10-20 minutes: do not allow to dry. Protect eyes & hands by wearing goggles & waterproof gloves. Thoroughly rinse surface & allow to dry for 24-48 hrs, before caulking, patching & painting. Remove old loose scaling or peeling paint by hand scraping, sanding or by other commonly used mechanical means. Allow new concrete or surfaces w/ a pH higher than 10 to cure for 30 days, prior to application. Do not use below grade or under water. Apply EPC when air & surface temperatures are expected to be above 50F & below 90F for a 24 hour period. Do not apply if rain or other threatening weather is expected within 8 hours or if relative humidity is above 90%. Avoid applying late in the day when the dew point rises & moisture can form on the surface. Allow a minimum of 24 hours drying between coats if a second coat is required.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight Per Gallon	Gardner Cup	~8 to 10 lbs/gallon
Specific Gravity	Calculated	~0.75 to 1.50
Total Non Volatile % Solids (Weight)	Computrac Analyzer	~50 to 70
Total Non Volatile % Solids (Volume)	Test Lab	~40 to 60
Extrudability/Application (as packaged)	Hand Gunning – Test Lab	Ease of Application = Excellent
Consistency/Appearance	Visual Observation	Textured Paste – homogeneous
pH (initial)	pH Meter	~7 to 10
Odor	Subjective	Mild
Base Polymer	Known	Water-Based
Filler/Pigment	Known	Calcium Carbonate/TiO ₂ /Texture Additive
Flash Point	Closed Cup	> 200F
Freeze/Thaw Stability	Test Lab 0 F/77 F @24 hrs or ASTM C731	Pass 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 yr, original, unopened
Slump	ASTM D2202 Jig	None to minimal
Artificial Weathering	ASTM – QUV Tester	Minimal deterioration @ 1000 hrs
Flexibility	ASTM 734	Pass 4 inch @ 32F
Tack Free Time	ASTM D2377	< 4 hrs (cool temps & higher humidity may prolong time up to 24 hrs or more)
Storage Conditions	Test Lab	40F to 90F for best results
Application Temperature	Test Lab	50F to 90F for best results
Service Temperature	Lab Oven/QUV/Freezer/OE Fence	Approx. -30F to 180F
Tooling	Test Lab/Field Evaluation	Excellent
Paintable	Test Lab/Field Evaluation	Yes - @ full cure

Clean Up

Warm soapy water

For Best Results

- Apply appropriate primer to substrate prior to product application.
- Allow new concrete or surfaces w/ pH higher than 10, to cure 30 days prior to application of product.
- Apply product when air & surface temps are expected to remain between 50F & 90F for 24 hrs.
- Do not apply if rain or other threatening weather is expected within 8 hrs or if relative humidity is above 90%.
- Avoid applications late in the day when dew point rises & moisture can form on the surface.
- Small Cracks: Not necessary to cut out cracks 1/64" to 1/32", simply fill crack using wet putty knife or trowel. Apply generously over center of crack @ wet film thickness of 1/16", then feather down material about 2" on both sides of crack.
- Large Cracks: Cracks exceeding 1/32" in width should be routed open to a "U" or "V" shape, or approximately 1/4" in width & 1/4" in depth. Once crack has been routed open, flush opening w/ water, or dust opening clean to remove any grinding dust, dirt, etc. & check to confirm surface is sound. Seal opened crack area w/ alkali resistant surface conditioner as recommended by manufacturer & allow to dry thoroughly. Once sealer has properly dried, fill opened crack area forming a small crest over center of crack, to allow for shrinkage that may occur. Allow a minimum 4 hrs drying or until tack-free, then apply crown coat application @ wet film thickness of 1/16", over center of crack & feather down material ~ 2" on both sides of crack.

Color

White to off-white

Packaging

HDPE Cartridge

Limitations

- Do not use below grade or under water.
- Allow a minimum of 24 hrs drying between coats, if a second coat is needed.

Environmental, Safety & Transportation Information

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
<i>CARB Compliance</i>	<i>Documents Review</i>	<i>Yes</i>
<i>Prop 65 Ingredients</i>	<i>Documents Review</i>	<i>Yes (see MSDS)</i>
<i>DOT Proper Shipping Name</i>	<i>Review of Regs</i>	<i>Not Regulated by DOT</i>
<i>DOT Hazard</i>	<i>Review of Regs</i>	<i>NA</i>
<i>DOT UN/NA Number</i>	<i>Review of Regs</i>	<i>NA</i>
<i>Packing Group</i>	<i>Review of Regs</i>	<i>NA</i>
<i>VOC Content</i>	<i>Calculated</i>	<i>< 4%/wt, < 90 g/L</i>

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.

TDS Number: 0718TD

Date of Issue: December 8, 2009

SEE MSDS FOR ADDITIONAL DATA/INFORMATION

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