



## **TECHNICAL DATA**

### **PRODUCT**

MPC, MULTIPURPOSE COATING

### **MANUFACTURER**

#### **MidCal International, LLC**

St. Petersburg, FL 33702

727 439 6887 Direct

www.midcalinternationalllc.com

### **DESCRIPTION/BASIC USE**

MULTI PURPOSE COATING, an acrylate aqueous dispersion, when applied, develops into a strong durable flexible coating which adheres tenaciously to clean bare surfaces, i.e., concrete, drywall, powerwall, masonry, wood, etc. MULTI PURPOSE COATING is a nontoxic, environmentally friendly, user friendly, odorless, clear drying (unless pigmented), nonflammable, surface penetrating unique multipurpose coating material.

**Basic Use:** MULTI PURPOSE COATING is an excellent paver joint sand consolidator, or it can be power trowled into weak concrete surfaces, crazed, cracked, or otherwise flawed, to provide extra strength, integrity, flexibility, chemical / acid resistance, etc., through consolidation. MULTI PURPOSE COATING can be used as a protectant, dustproofer, waterproofer, etc., by spraying, squeegeeing, rolling, dipping, or brushing. It could also be utilized as heavy duty topping by adding sand, cement, or sand and cement, or even used to repair and solidify cracks by filling cracks level full of dry fine sand and cement mix and passing a bead of MULTI PURPOSE COATING over it to penetrate it, if coating is planned allow crack material to dry before coating. Drying time varies with application thickness and ambient temperature. Dryness can be ascertained by checking for tackiness at tail end of application.

**MULTI PURPOSE COATING is non-tacky when dry. However, at least 24 hours drying time should be allowed for strength development, prior to placing newly placed coating into heavy-duty surface. MULTI PURPOSE COATING should not be applied where temperature is below 55 F.**

### **SOME ADVANTAGES**

- Provides extra strength
- Provides flexibility and integrity
- Chemical/acid resistant
- Protectant / waterproofer / dustproofer
- Can be utilized as a heavy-duty topping
- Can be used to repair/solidify cracks
- Easy to apply
- Environmentally friendly
- Non-toxic

### **TECHNICAL DATA**

**Physical:** Liquid

**Product Type:** Acrylate, aqueous dispersion, with proprietary additives

**pH Range:** 7-8

**VOC/VOS Content:** Insignificant trace VOC

**Color:** Milky White (un-pigmented)

**Specific Gravity:** 1.04

**Elongation:** 3 mils 100%, 10 mils 400-500%

**Flexibility:** Excellent

**Flash Point:** N/A

**Decomposition products:** CO, CO<sub>2</sub>, NO<sub>x</sub>

**Solids Content%:** 25-30  
**Freeze Point:** 32 F  
**Freeze Harm:** Possible, but not likely  
**Storage temperature:** 50-85 F (10-30 C)  
**Dry Color:** Clear, transparent  
**Recommended coverage:** 75-300 sf/gal depending on use.

## **TECHNICAL DATA (continued)**

### **INSTALLATION DIRECTIONS**

#### **As a protective coating:**

*Note: Always start with a clean, bare surface. Remove all dirt and buildups.*

- a. Using a paint roller, apply evenly at the rate of about 300 square feet per gallon, depending on porosity, etc.
- b. Allow at least 24 hours to dry thoroughly. May require more drying time in high traffic areas. Consult manufacturer.

#### **As a sand consolidator:**

- a. Use low-pressure non-atomizing sprayer.
- b. Apply uniformly over pavers and sand at a rate of 150 square feet per gallon.
- c. Use a small squeegee to wipe excess product from paver tops into sand joints.
- d. Do not allow surplus product to air dry on pavers.

#### **For crack repair:**

- a. Fill cracks with a dry fine sand and cement mixture.
- b. Using a pointed squeeze bottle, cover with a bead of MULTI PURPOSE COATING.
- c. Allow to completely set (at least 24 hours) before installing a film coat over the surface.

### **PRECAUTIONS**

- a. Protect areas not intended for coverage as product is very difficult to remove later. MULTI PURPOSE COATING will damage or kill vegetation and may stain or etch, glass or plastic. If contact should occur, wash immediately with water.

b. Do not apply when ambient temperature drops below 56 degrees F.

c. MULTI PURPOSE COATING will adhere to the first surface it meets, including dirt. If product adheres to dirt, it will peel up. If this occurs, peel away product, clean surface, and reapply.

d. When applied as coating, MULTI PURPOSE COATING must be applied in a thin layer or the strength of the bond will be compromised. For a thicker layer, apply a second thin coat 24 hours later.

e. MULTI PURPOSE COATING has an almost insignificant trace of VOC. Incidental skin contact is not hazardous but ingestion or eye contact should be avoided. We recommend the use of a painter's mask during application. Refer to MSDS.

### **WARRANTY**

MIDCAL, LLC warrants that if any goods supplied prove defective in workmanship or material, that MIDCAL, LLC shall replace them or refund their purchase price. This warranty is made in lieu of any and all other warranties, expressed or implied, including the warranties of merchantability and/or fitness that are hereby disclaimed. It is understood and agreed that Buyer's sole remedy, and therefore MIDCAL, LLC liability, whether in contract, tort, under any warranty. In negligence, or otherwise shall be limited to the return of the purchase price paid by Buyer or replacement of any defective goods sold by MIDCAL, LLC liability. Before application, the user shall determine the suitability of the product for user's intended use and user assumes all risks and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. There are no warranties that extend beyond the face thereof.