



## Product Data Sheet

# #211 PLASTIC CEMENT

(Meets ASTM D4586)

### PRODUCT DESCRIPTION

#211 Plastic Cement is a general-purpose formulation for use as a cold-applied sealing and repair material in many types of asphalt roof membranes. #211 Plastic Cement has a “trowel-grade” consistency which makes this product ideal for flashing details and a variety of waterproofing repairs, such as moving joints and roof penetrations. #211 Plastic Cement has a superior formulation that will not separate.



### BASIC USES

- Repairing asphalt shingles, conventional built-up roofs, metal, and masonry surfaces.
- Sealing leaks and openings around flashings (chimneys, vents, skylights, metal joints, gutters and similar objects used in constructing built-up flashings).
- Positive side damp proofing of concrete, masonry walls and foundations.
- NOT RECOMMENDED for use with polymer-modified bitumen (APP, SBS).
- DO NOT USE with PVC, TPO, EPDM or other single-ply membranes.

### PHYSICAL PROPERTY INFORMATION\*

Property	Test Procedure	Test Value
Weight/gal (lb)	ASTM D2939	7.8 – 8.5
Solids Weight (%)	ASTM D1644	> 71
Flash Point (0F)	PMCC	> 105
VOC (gm/L)	Std method	< 170
Pliability @ 32°F	ASTM D6511	pass
Sag @ 140°F	ASTM D6511	pass

\* Data reported is based on available independent and in-house resources. Mule-Hide reserves the right to change or modify, at its discretion, and without prior written notice, any of the information, requirements, specifications, or policies contained in this document.

### PACKAGING

- 2.8 Gallon Pail (10.6 Liters)
- 4.75 Gallon Pail (17.9 Liters)

### BENEFITS & SUPPLEMENTAL STATEMENTS

- High flexibility to accommodate temperature-related expansion and contraction of the roof system.
- Provides exceptional weathering characteristics over a wide range of challenging temperatures and weather conditions. Will not mudcrack and will remain highly resilient and durable through all seasons
- Interlocking fiber matrix assures uniform, excellent adhesion
- Exhibits excellent sag resistance when used on vertical surfaces, even at high temperatures.
- Non-destructive to conventional asphalt based roofing membranes
- 100% recycled cellulose fibers

### CODE APPROVALS/COMPLIANCE

- Miami Dade County Approved
- Meets or exceeds requirements of ASTM D4586 Type I
- Meets or exceeds requirements of ASTM D3409

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## **COVERAGE RATES**

- Approximately 8 gallons per 100 sq. ft. for a 1/8" (3 mm) coat applied to both surfaces.  
(All values are approximate and may vary with ambient temperature and job conditions)

## **INSTALLATION TEMPERATURE**

- Apply only when ambient temperatures are 45°F and rising. Cold weather could result in uneven application and improper curing of product. Cold weather will cause product to stiffen making application more difficult.
- Not recommended for application on substrates that exceed 140°F.

## **INSTALLATION INSTRUCTIONS**

### **Surface Preparation:**

- Surfaces to receive coating must be clean, dry, and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products. Priming is recommended when adhering to questionable conditions.
- On existing roofs, inspect roof substrate condition. Blisters, buckles, and raised edges should be cut out and repaired for a smooth surface.
- Check all flashings, edges, drains, valleys and vents and repair as needed.
- Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar-based products.
- Not recommended for use with polymer-modified bitumen membranes

### **Application:**

- Application rate: Approximately 1/8" coat depending on ambient temperature, surface porosity, as well as applicator and/or application technique.
- Application method: Use pointed trowel or wide-edged putty knife to apply cement evenly and in equal amounts to substrate and flashing. Coat should be 1/8" thick, without gaps, dry areas, or bubbles.
- Three coursing: Apply plastic cement to surface and install fabric or webbing into cement, then apply a final course of roof cement.
- Sealing/Repairs: Work the product into the opening or crack and spread two inches beyond repair area at minimum. Embed reinforcing fabric into the cement for added reinforcement, then cover with additional cement. If desired, repeat procedure for coursing application and feather each layer of fabric beyond underlying layer.
- Do not heat exterior of container or attempt to thin this product. Cold weather will cause product to stiffen, making application more difficult.
- To greatly extend the life of the roof cement, it is recommended that the applicator apply a Mule-Hide Aluminum roof coating after a minimum of 30 days cure time.

**For Professional Use Only** – Keep out of the reach of children.

## **STORAGE AND CLEAN UP**

- Shelf life is 24 months if stored in original unopened containers.
- All containers should be sealed when not in use.
- Store between 40°F and 100°F.
- If temperatures are cold, store product in a heated area overnight.
- DO NOT HEAT WITH AN OPEN FLAME.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Clean equipment and overspray with water.
- Clean hands with waterless hand cleaner.

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- Application tools and equipment can be cleaned with odorless mineral spirits solvent. Recirculate through lines and spray equipment guns until residual coating is removed.
- DO NOT USE WATER OR RECLAIMED SOLVENTS.

## **MANUFACTURING FACILITIES**

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Waco, TX
- Winter Haven, FL

## **PROTECTION & SAFETY**

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

## **ADDITIONAL INFORMATION**

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at [www.mulehide.com](http://www.mulehide.com) for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

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