



**1. Product Name**

Chromastain™

**2. Manufacturer**

McKinnon Materials, Inc.  
 5612 56th Commerce Park Blvd  
 Tampa, FL 33610  
 (813) 622-7031  
 Fax: (813) 621-9017  
 E-mail: info@mckinnonmaterials.com  
 www.mckinnonmaterials.com

**3. Product Description**

**BASIC USE**

Chromastain™, manufactured by McKinnon Materials, Inc., is an environmentally friendly stain designed to add color to new or existing concrete surfaces. Originally developed for concrete and acrylic concrete overlay systems, Chromastain can also be used for other porous substrates, including wood and modified coatings. Because it is a nonacid, water-based stain that penetrates into the surface, factors such as surface composition, age, porosity and texture bring out variations that provide a more natural appearance.

Use it for properly prepared interior or exterior surfaces, including:

- Concrete
- Masonry walls
- Patios
- Basement floors
- Sidewalks
- Garage floors
- Pool decks

**COMPOSITION & MATERIALS**

Chromastain is a pure acrylic latex.

**SIZES**

Chromastain is packaged in 5 gal (19 L) pails. A sample kit is available with all 6 colors of Chromastain, plus Reducer and Crystal Coat.

**COLORS**

- Forest Green
- Sierra Black
- Mesa Brown
- Sunset Orange
- Rustic Yellow
- Royal Blue
- Heart Red



**BENEFITS**

- Improves the appearance of concrete floors, with a variety of color options that can be saw cut for additional effect
- Adds color without covering up existing natural qualities, textures and variations of the surface
- Simplifies maintenance procedures, requiring only sweeping and occasional light waxing
- Environmentally friendly, acid-free solution provides an acid stain appearance, without the need for neutralization and without hazardous waste
- User friendly and can be applied up to 3 times per area
- Cost effective alternative to wood, ceramic and tile floors

**LIMITATIONS**

- Not for use on surfaces subject to hydrostatic pressure
- Cannot be diluted with water; a reducer must be used

**ACCESSORIES**

- Chromastain Reducer - Cuts the strength of the stain, lightening the color; available in 1 gal (3.8 L) and 5 gal (19 L) containers
- Crystal Coat Sealer - A cross-linking acrylic that can be applied with a brush or roller to produce a high gloss finish

**4. Technical Data**

**APPLICABLE STANDARDS**

ASTM International (ASTM)

- ASTM D891 Standard Test Methods for Specific Gravity, Apparent, of Liquid Industrial Chemicals
- ASTM D1293 Standard Test Methods for pH of Water
- ASTM D2834 Standard Test Method for Nonvolatile Matter (Total Solids) in Water-Emulsion Floor Polishes, Solvent-Based Floor Polishes, and Polymer-Emulsion Floor Polishes
- ASTM D3505 Standard Test Method for Density or Relative Density of Pure Liquid Chemicals
- ASTM D3418 Standard Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry

**PHYSICAL/TECHNICAL PROPERTIES**

See Table 1.

**5. Installation**

**PREPARATORY WORK**

Deliver products in the manufacturer's original, unopened, undamaged containers with identification labels intact. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer. Verify that site conditions are



McKinnon Materials, Inc.

TABLE 1 PHYSICAL/TECHNICAL PROPERTIES

Property	Test Method	Results
Total solids %	D2834	11.1 - 12.5
Specific gravity	D891	1.05
Density, #/gal	D3505	8.45
Tg	D3418	108 degrees F (42 degrees C)
Ph, 68 degrees F (20 degrees C)	D1293	7.0 - 9.0

acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

**METHODS**

Follow the manufacturer's instructions for installation.

**Mixing**

Chromastain is designed to be used full strength from the bottle. Chromastain Reducer can optionally be added to lighten the stain color; other colors can be achieved by combining stain colors.

**Application**

Chromastain can be applied in any of the following manners:

- Spray the color with a sprayer, pump up sprayer or another type of spray equipment
- Sponge the color into place
- Apply the color with a rag
- Use a brush or roller to apply color

McKinnon Materials' preferred application is to use a pump up sprayer. Load the sprayer with the lightest color being used, such as

yellow, and either solid coat the surface or spray spots all over. Take the next color and do the same. Afterward, lightly spray the final color.

Two coats of sealer are required after the stain dries. Use either a water- or solvent-based sealer, depending on requirements or preference. Kits include a 16 oz (0.45 kg) Crystal Coat sealer that can be used with a brush or roller to seal the Chromastain. Because it is a cross-linking acrylic that produces a high gloss finish, it is important to use 2 thin coats of Crystal Coat.

**BUILDING CODES**

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

**6. Availability & Cost**

Product and pricing information is available from certified distributors. Contact McKinnon Materials, Inc., for information on local availability.

**7. Warranty**

Complete warranty terms and conditions are available from the manufacturer. For details, consult McKinnon Materials, Inc.

**8. Maintenance**

No special maintenance is needed for properly applied product. Sweep to clean. Wash with neutral commercial floor cleaner and periodically apply light floor wax. The amount of floor traffic determines floor wax and sealer requirements.

**9. Technical Services**

For technical assistance, including additional product information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, contact McKinnon Materials, Inc.

**10. Filing Systems**

- Additional product information is available from the manufacturer upon request.

