

MVT Block 110



Technical Data Sheet

ConDecor Superstore® provides a premier line of specialty decorative concrete materials. ConDecor Superstore® materials are manufactured for the discriminating installer or designer who values beauty and quality. Specializing in custom colors, specialty products, and superior service, ConDecor Superstore® offers an innovative alternative in the decorative concrete industry.

Highlights

- Use on concrete with high moisture levels
- Excellent primer for epoxy and polyurethanes
- Bis F formula for better cross linking
- Superior Adhesion
- Zero VOC
- Ideal for Decorative, Industrial, Commercial & Residential
- Fast cure additive available
- Pigment additive available

Uses

- Manufacturing
- AeroSpace
- Hospitals
- Health Care
- Institutions
- Kitchens
- Animal Care
- Garage Floor
- Retail
- Residential
- Any concrete surface where moisture vapor transmission is a problem

Description

ConDecor MVT Block 110 is a two-component low viscosity 100% solids epoxy resin that is designed to be used on concrete surfaces where moisture transmission is a problem. ConDecor MVT Block 110 has been specially formulated with low viscosity and excellent substrate wetting capabilities to promote penetration and adhesion. The special hydrophobic curing agent allows for adhesion to damp or wet concrete. ConDecor MVT 110 is a Bisphenol F epoxy which gives the material enhanced chemical crosslinking. More crosslinking helps to reduce the coating's moisture permeability and increases its long term resistance to water and alkalinity.

Surface Preparation

Surface preparation is critical for proper adhesion and performance. The surface must be porous, clean, sound and free of grease, oil, curing compounds, dust, mastic and other contaminants or bond breakers.

Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing MVT 110. For readings in excess of 15lbs MVER and 95% RH contact ConDecor Superstore® technical support technician for recommendations.

ConDecor Superstore® utilizes the International Concrete Repair Institute's (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying MVT Block 110. It is highly recommended to mechanically profile the surface to achieve ICRI Concrete Surface Profile (CSP) 3-4. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris.

Packaging

Available in a 1.5 gallon kit. The mix ratio is 2 parts A to 1 part B. The 1.5 gallon kit comes prepackaged in this ratio and no parting out is necessary when mixing the full 1.5 gallon kit.

Mixing

Organize work area so that all personnel and equipment are in place before mixing. Pour part A into a bucket, if pigmenting, add the pigment and premix for 2 minutes at low speed (less than 500 rpm), then add part B and mix for 3 minutes continuing with low speed to avoid air entrapment. Do not mix more than what can be placed within 30 minutes. **DO NOT HAND MIX.** Ensure that the material from the sides and bottom of the bucket have been thoroughly mixed in. Pot life is 30 minutes at 75 degrees. Pot life with Fast Cure additive is 15 minutes. Pot life and work times are shortened by higher temperatures. Pouring material onto the floor in ribbons immediately after mixing will extend the work time.

Handling Precautions

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product. It is the user's responsibility to review instructions and warnings for any ConDecor Superstore® products.

Avoid contact with the skin and use protective equipment as required. Wear protective gloves, protective clothing, eye protection, face protection and appropriate respirator equipment. Use in well ventilated areas. Dispose of contents and containers in accordance to local, state and federal regulations.

Slip and Fall Precautions

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. ConDecor Superstore® recommends the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. ConDecor Superstore® or its sales agents will not be responsible for injury incurred in a slip and fall accident.

Application and Clean Up

ConDecor Superstore® MVT Block 110 may be applied by roller, trowel or squeegee at NO MORE THAN 100 SQFT PER GALLON. Tools may be cleaned with Xylene, or other solvents prior to material hardening.

Shelf Life

ConDecor Superstore® MVT Block 110 has a 1 year shelf life from date of manufacturing when properly stored in a dry, temperature controlled environment.

Limitations

- Interior Use Only
- Must be applied at specified film thickness
- Concrete must have an CSP profile of 3-4 (similar to 60-80 grit sandpaper)
- Do not apply when ambient temperatures are below 40°F or above 90°F
- Pot Life 30 minutes in bucket

Warranty

ConDecor Superstore® MVT Block 110 is a proprietary product that is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ConDecor Superstore®.

First Aid

EYES: Flush thoroughly with water, lifting both eyelids. Get immediate medical attention

SKIN: Wash with soap and water. If irritation develops seek medical attention.

INGESTION: Do not induce vomiting. Get immediate medical attention.

INHALATION: Remove to fresh air immediately. If breathing difficulty continues, administer oxygen. Get immediate medical attention.

Technical Data

Material Properties at 75°F

Mixed VOC Content:	0g/L
Mix Ratio (by volume):	2:1
Tack Free Time:	6-8 hours
Recoat Time (min/max):	8hrs./24hrs
Light Foot Traffic:	24 hours
Vehicular Traffic:	96 hours
ASTM D-570 Water Absorption (24 hrs.):	<0.5%
ASTM D-635 Flammability:	Self-Extinguishing
ASTM D-638 Tensile Strength psi	4,500psi – 5,200psi
ASTM D-638 Tensile Elongation %:	20%-30%
ASTM D-695 Compressive Strength	
@ 24Hrs:	7,500
@ 7 Days:	9,800
ASTM C-722 Monolithic Surfacing:	Pass
ASTM D-2794 Impact Resistance:	Pass
ASTM D 4060 Abrasion Resistance (CS-17):	1000 Cycles
ASTM D 4366 Konig Hardness	85-90
Vaper Permeance @1.6 MILS Thickness	US PERM 0.07
MVER/RH @6 MIL Thickness ASTM F 1869	18lb/24hr/1000 sqft

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For complete information on all ConDecor Superstore® products, including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact ConDecor Superstore.

ConDecor Superstore
E Nakoma St #100, San Antonio, TX
78216
P: 210.541.1445
www.condecorsuperstore.com