

# WB Epoxy 120



## 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

- Easy to Use
- Low Odor
- Low Viscosity
- High gloss clear finish
- Resistant against common chemicals
- VOC Compliant
- Excellent Clarity
- Ideal for Decorative, Industrial, Commercial & Residential
- Open to foot traffic in 24 hours
- Excellent choice for DIY

### Uses

- Commercial
- Retail
- Residential
- Warehouses
- Institutions
- Kitchens
- Veterinary
- Repair Facilities

## Description

ConDecor WB Epoxy 120 is a two-component water-based epoxy system. This material cures blush free over a wide range of temperatures and adheres to numerous substrates including flake floors, quartz and overlays. This epoxy is used as a general purpose coating for concrete floors as well as a primer under epoxy and urethane coatings. It is recommended for coating commercial and residential floors, including garages, automotive repair facilities, warehouses and many other commercial and industrial maintenance applications. Because of its ease of application, ConDecor WB Epoxy 120 is an excellent choice for DIY floor coating projects.

## Surface Preparation

Surface preparation is critical for proper adhesion and performance. The surface must be dry, 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 WB Epoxy 120. Acceptable substrates have an MVER less than or equal to 3 lbs/1000 sq ft per 24 hours and relative humidity less than or equal to 70% RH. For readings in excess of 3lbs and greater than 70% RH refer to ConDecor Superstore® MVT Tech Data sheet. 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 ConDecor WB Epoxy 120. It is highly recommended to mechanically profile the surface to achieve ICRI Concrete Surface Profile (CSP) 1-2. Upon completion of mechanical preparation, remove all dust, dirt and debris. If acid is used to obtain the surface profile, in lieu of mechanical profiling, a floor machine with a nylogrit brush or heavy duty black pad must be used and the surface must be washed, neutralized and allowed to dry.

## Packaging

Available in 1.25 gallon kit and 5 gallon kits. The mix ratio is 4 parts A to 1 part B. The 1.25 gallon kit comes prepackaged in this ratio and no parting out is necessary when mixing the full 1.25 gallon kit. Diluting is not recommended.

## Mixing

Organize work area so that all personnel and equipment are in place before mixing. Pour part A into a bucket then add part B and mix for 3 minutes at low speed to avoid air entrapment. Do not mix more than what can be placed within 1.5 hours. **DO NOT HAND MIX.** Ensure that the material from the sides and bottom of the bucket have been thoroughly mixed in. Pot life is 1.5 hours at 75 degrees. 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® WB Epoxy 120 may be applied by 1/4" nap roller, brush or airless sprayer at 400 – 500 sqft per gallon. 3/8" nap roller may be used for textured surfaces but lower yield should be expected. If trapped air in the substrate creates bubbles, continued rolling will cause them to disappear. Dry time is 2-3 hours with recoat time at 4 to 24 hours @ 75 degrees. Warmer temperatures will shorten the dry time and recoat window.

## Shelf Life

ConDecor Superstore® WB Epoxy 120 has a 1 year shelf life from date of manufacturing when properly stored in a dry, temperature controlled environment.

## Limitations

- Interior Use Only
- Not for use over release, antiquing or dye powders
- Do not apply when ambient temperatures are below 40°F or above 100°F
- Do not apply when relative humidity is above 70%

## Warranty

ConDecor Superstore® WB Epoxy 120 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:	Less than 250 grams/liter
Mix Ratio (by volume):	4:1
Tack Free Time:	2-3 hours
Recoat Time (min/max):	4hrs./24hrs
Light Foot Traffic:	24 hours
Vehicular Traffic:	72 hours
ASTM D-2047 Coefficient of Friction	<.60
ASTM D-4060 Tabor Abrasion	32 mgs lost
ASTM D-4366 Koenig Hardness	115
ASTM D-4541 Adhesion to Concrete	600 psi

EPA Method 24 – Floor Covering

### Chemical Resistance: Y: Yes S: Stain N: No

Acetic Acid	Y	Methanol	N
Acetone	N	Methyl Chloride	N
Ammonia 30%	Y	Mineral Spirits	S*
Anti Freeze	Y	Motor Oil	Y
Animal Urine	Y	Mustard	S*
Brake Fluid	Y	Nitric Acid	N
Chlorine	Y	Orange Juice	Y
Chromic Acid 10%	Y	Phosphoric Acid	Y
Gasoline	Y	Silver Nitrate	Y
Hydraulic Fluid	N	Skydrol	S*
Hydrochloric Acid 35%	N	Sodium Hydroxide (Caustic)	Y
Hydrofluoric Acid	N	Sodium Hypochlorite (Bleach)	Y
Hydrogen Peroxide	S*	Sulphuric Acid 10% (Battery Acid)	Y
Methyl Ethyl Ketone (MEK)	N		

\*Wipe immediately after spill

**FOR EMERGENCY HELP  
24 HOURS A DAY CONTACT  
INFOTRAC at 1-800-535-5053**

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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.

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