

WB Urethane 320C



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
- Available in Gloss or Matte
- Multi Purpose
- Scratch and Abrasion Resistance
- Hot Tire Pick Up Resistance
- Chemical Resistance
- UV Resistant, Non Yellowing Formula
- Excellent Clarity
- For use on vertical and horizontal surfaces
- Open to foot traffic in 24 hours

Uses

- Manufacturing
- AeroSpace
- Hospitals
- Health Care
- Institutions
- Kitchens
- Veterinary
- Animal Care
- Garage Floors
- Restrooms

Description

ConDecor WB Urethane 320C is a premium UV resistant two-component, low viscosity, clear water based urethane coating that utilizes aliphatic urethane polymer technology. It is designed to be used in a wide range of flooring systems where scratch and abrasion resistance, hot tire pick up and chemical resistance is desired. WB Urethane 320C has been uniquely formulated to be used as a seal coat direct to concrete or as a topcoat over epoxy, decorative flake, metallic floor systems, color quartz broadcast floors and concrete stains.

Surface Preparation

Direct to Concrete:

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. Two coats are recommended. If using the Matte for the final coat, the first coat applied should be Gloss.

Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing WB Urethane 320C. 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 WB Urethane320C. 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 shot, dust, dirt and debris. If acid is used to obtain the surface profile, in lieu of mechanical profiling, the surface must be washed, neutralized and allowed to dry completely for at least 24 hours.

As a Topcoat:

WB Urethane 320C may be used as a topcoat over epoxy and urethanes. Do not use over acrylic sealers, cure and seals or any other type of sealers, coatings or compounds that are not listed as epoxy or urethane. If more than 24 hours (at 72 degrees) has elapsed the surface must be deglossed using 100 grit sandpaper or sanding screen, swept and then solvent wiped with acetone or denatured alcohol.

Packaging

Available in a 1 gallon kit and a 4 gallon kit. The mix ratio is 3 parts A to 1 part B. The 1gallon kit comes prepackaged in this ratio and no parting out is necessary when mixing the full 1gallon kit.

Mixing

Organize work area so that all personnel and equipment are in place before mixing. Pour part A into a bucket (if pigmented premix for 2 minutes at low speed (less than 500 rpm) then add part B and mix for 2 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 approximately 1 hour 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 Urethane 320 may be applied by 1/4" or 3/8" nap roller on horizontal surfaces and 1" nap on vertical surfaces. Tools may be immediately wiped clean with water and then Xylene or other solvents prior to material hardening.

Shelf Life

ConDecor Superstore® WB Urethane 320C has a 1 year shelf life from date of manufacturing when properly stored in a dry, temperature controlled environment.

Limitations

- Do not apply to damp concrete
- Concrete must be cured at least 27 days
- Temps need to be above 40°F or below 95°F
- Do not apply when relative humidity is above 50%

Warranty

ConDecor Superstore® WB Urethane 320C 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.

In Case of Fire

Use fire extinguishing methods suitable to surrounding conditions.

Technical Data

Material Properties at 75°F

Yield over Smooth Surface	450-550 Sqft
Solids Content	60%
Mixed VOC Content:	0g/L
Mix Ratio (by volume):	3:1
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 Flammibility:	Self-Extinguishing
ASTM D-638 Tensile Strength psi	4,500psi – 5,200psi
ASTM D-638 Tensile Elongation %:	6%-8%
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):	36mg
ASTM D 4366 Konig Hardness	120

EPA Method 24 – Floor Category

Chemical Resistance:

Acetone	Y	Motor Oil	Y
Animal Urine	Y	Mustard	Y*
AntiFreeze	Y	Natural Grain Spirits	Y
Bleach	Y	Orange Juice	Y
Brake Fluid	Film Softened	Phosphoric Acid 10%	Y
Calcium Chloride	Y	Skydrol	Y
Cooking Oil	Y	Sodium Hydrocide 50%	Y
De-Icing Salts	Y	Sulfuric Acid 10% (Battery Acid)	Y
Detergents	Y	Sulfuric Acid 37% (Battery Acid)	Y
Gasoline	Y	Toulene	Y
Hydraulic Fluids	Y	Trisodium Phosphate	Y
Hydrochloric Acid 10%	Y	Water	Y
Hydroflouric Acid 37%	Y	Windshield Wiper Fluid	Y
Isopropyl Alcohol	Y	Xylene	Y
MEK	N	*Wipe immediately after spill	

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

03/21



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