

PRODUCT DESCRIPTION

Generic: Chemical Resistant Aliphatic Urethane

General Description: This two component, chemical resistant aliphatic urethane has exceptional resistance to most chemicals. It can be used as clear or pigmented with DEVFLOOR 572 Urethane Color Additives.

Typical Uses: DEVFLOOR 566 can be used on concrete in areas that are subjected to strong chemical spillages. Especially useful for floors in areas such as aircraft hangers, service bays, etc., where light reflectance and chemical resistance are required.

Special Qualifications: See Chemical Resistance Guide

SPECIFICATION DATA

Color: Clear, other colors available with use of DEVFLOOR 572 Urethane Color Additives

Finish: Gloss

Weight /Gallon: 8.8 lbs./gal.

Clean Up Solvent: Soap and water or Xylene

VOC (EPA 24): 375 g/l

Spread Rate: 350-400 sq. ft./gal.

Recommended Film Thickness: 2.0 - 3.0 mils dry -
3.5 - 5.0 mils wet

Mixing Method: Low speed with "jiffy" mixer

Application Method: Lamb's wool applicator or high quality 3/8" nap solvent resistant roller.

Thinner: DO NOT THIN

Pot Life: 30-45 minutes @ 75°F (23°C) & 50%RH

Cure Rate (@ 75°F (23°C) & 50%RH):

7 hrs. - Tack free

24-30 hrs. - Light traffic

5 days. - Heavy traffic and/or chemical spillage

Recoat Time (@ 75°F (23°C) & 50%RH):

From 12 to 18 hours.

After 18 hours, screen before recoating.

Shelf Life: 1 year in unopened container

FEATURES

Advantages:

- UV light resistance
- High degree of chemical resistance
- High light reflectance
- Excellent hiding properties
- High abrasion resistance
- Excellent anti-soiling properties
- Wide range of colors with DEVFLOOR 572 Urethane Color Additives

PERFORMANCE DATA

PROPERTY	TEST METHOD	RESULTS
Abrasion Resistance	Taber Abraser CS-17 wheel 1000 cycles, 1000 gram load	18 mg loss
Adhesion	Concrete with proper prep	Excellent
Flexibility	Bent on 1/8" conical mandrel	No cracking or crazing
Slip Resistance	Equivalent to ASTM D-2047	Passes
UV Light Resistance	Q-U-V Accelerated Weather Tester	Excellent

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint and other foreign substances.

Consult Surface Preparation Guide Supplement for further surface preparation information.

DIRECTIONS FOR USE

Mixing: Important! Coating has a limited pot life of approximately 30 Minutes @ 75°F (23°C) and 50% R.H. Ensure surface is prepared and ready for immediate application, and all components and additives are ready for mixing.

Color Additives: If color is desired, the appropriate DEVFLOOR 572 Urethane Color Additive is added to the "Clear" Part "B" Base at the specified rate. Refer to the DEVFLOOR 572 Urethane Color Add Data Sheet for specific ratios. Mix at low speed for a minimum of two minutes.

1. The Part "B" Base must be thoroughly mixed prior to the addition of Part "C" Converter.
- 2a. For clear, add one gallon Part "C" Converter into carefully measured 2 gallons Part "B" Base and mix.
- 2b. For pigmented, add one quart DEVFLOOR 572 Urethane Color Additive into 1-1/2 gallons of Part "B" Base. Mix thoroughly with a Jiffy mixer being careful not to beat in air. Then add 1 gallon of Part "C" Converter and mix.
3. Mix with a very low speed jiffy mixer, until completely blended. This will take about 2 to 3 minutes. Be careful not to introduce any air bubbles while mixing.
4. Due to the difference in viscosity between the Part "C" Converter and Part "B" Base, care must be taken to ensure that both components are thoroughly mixed in order to avoid weak or partially cured spots in the coating.

5. Since this product does not need any induction time, it should be used immediately after mixing.

Application:

1. Avoid application if the floor temperature is below 55°F or above 85°F. Atmospheric, floor, and material temperatures should always be considered before applying this product.
2. Working from roller trays and using a lamb's wool applicator or 3/8" nap roller, apply the coating as evenly as possible.
3. To lessen bubbling of the coating, avoid excessive agitation of the liquids with the roller or applicator.

Note: This product is designed to be used as is and therefore thinning or reducing with solvents is not recommended. Also do not mix less than full batch quantities.

Pot Life: The pot life on this product is approximately 30 minutes at 75°F (23°C) and 50% R.H. High temperature and high humidity will accelerate curing and reduce pot life. Since this is not a solvent based system the pot life is relatively short. Do not mix more kits of material than can be used within this period of time.

Recommended for use by Professional Flooring/Floor Coating Applicators only.

PRECAUTIONS

DANGER! COMBUSTIBLE LIQUID AND VAPOR. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD - CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY DAMAGE. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series contain solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** Keep away from heat, sparks and flame. **Do not smoke.** Vapors may ignite. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush **immediately** with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help. KEEP FROM FREEZING.**

DS354-0303

SHIPPING

Flash Point: 115°F (46°C)
Packaging: 3 gallon kit (11.36 L)
 2 gallon base
 1 gallon converter
 15 gallon kit (56.77 L)
 10 gallon base
 5 gallon converter

Shipping Weight: 3 gallon kit - 41 lbs. (18.8 kg)
 15 gallon kit - 155 lbs. (70.4 kg)

566 (4/03)
 Ad Stock #67056



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