



KOSTER UTC

Technical Data Sheet CT 321

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Transparent polyurethane-polyurea top coat

Features

KOSTER UTC is a unique, versatile, abrasion-resistant, polyurethane-polyurea coating. KOSTER UTC is a clear, two component, thermoset, low odor, 95% solids, UV-stable coating designed as an all purpose coating system for a variety of substrates. It can be applied directly to concrete or on top of epoxies. It is intended as a protective or final top coat in the KOSTER Chip and Quartz Floor System.

Technical Data

Property	Data	
% solids (by weight)	95%	
Mix Ratio (by volume)	A (resin) : B (hardener) 2 : 1	
Viscosity, 70°F	300 - 400 cps	
Pot life, 70°F	approx. 40 min	
Dry Time, 70°F	approx. 1 - 2 h	
Working Time, 70°F	approx. 15 min	
VOCs	0	
Property	Test Method	Result
Konig Hardness	ASTM D4366	171
Compressive Strength	ASTM D2370	7,000 psi
Tensile Elongation	ASTM D638	10%
Adhesion to Concrete	ASTM D7234	400 psi, concrete failure
Impact Resistance	ASTM D2794	>160
Water Absorption	ASTM D570	Not tested
Flame Spread	ASTM E648-14	Class I, NFPA 101
Abrasion Resistance	ASTM D4060	15 mg loss
Coefficient of Friction	ASTM D2047	0.7 (wet) 0.8 (dry)
Gloss (60 degrees)	ASTM D523	90+

Fields of Application

- Laboratories
- Garages
- Pharmaceutical Plants
- Clean room
- Kitchens
- Hospitals
- Laundries
- Kennels

Substrate

Substrates must be sound, solid, profiled and free of materials or contaminants that may act as bond breakers. Suitable substrates are KOSTER ES and KOSTER MPE coatings. KOSTER UTC can be applied directly to concrete if the surface is dry and surface temperature is stable at least 10° above dew point.

Application

Mixing:

Mix 2 parts (by volume) of A component (resin) with 1 part (by volume) of B component (hardener). For a 1.5 gal mix, measure 0.5 gal of B

component (hardener) and 1 gal of A component (resin). Pour the B component (hardener) into a clean mixing bucket, making sure no material remains in the measuring bucket. Add the A component into the B component making sure no material remains in the measuring bucket. Use an electrical mixer (400 RPM) and a "Jiffy-type" mixing paddle to mix the material. Mix for 2 minutes. Pour the fully mixed material onto the substrate immediately after mixing.

KOSTER UTC may be applied by roller or squeegee.

Apply a coat of mixed KOSTER UTC at approx. 320 sq ft/gal with a flat squeegee. Back roll and cross roll with a 3/8-in epoxy rated non-shed roller. Along edges, the material can be brush applied. Do not cut with xylene. Do not introduce to tire traffic on finished installation unless it has been allowed to cure for 7 days.

Coverage

At 3 to 5 mils - 320 to 530 sq ft/gal.

Cleaning

Clean tools immediately with xylene (or similar) after use

Packaging

CT 321 01.5	1.5 gallon Combi-Pack
CT 321 003	3 gallon Combi-Pack
CT 321 007	7 gallon Combi-Pack
CT 321 015	15 gallon Combi-Pack

Storage

Store between 50°F and 90°F.

Safety

Follow Safety Data Sheet and the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Warranties

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The installer is responsible for the correct application taking into consideration the specific conditions of the construction site and the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

KOSTER

Waterproofing Systems

THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

Related products

KOSTER MPE	Art.-Nr. CT 261
KOSTER MPE-F	Art.-Nr. CT 262
KOSTER MPE-Color	Art.-Nr. CT 263
KOSTER MPE-F-Color	Art.-Nr. CT 264
KOSTER UTC-Color	Art.-Nr. CT 322
KOSTER ES	Art.-Nr. CT 366
KOSTER Color Chips	Art.-Nr. CT 429
KOSTER Color Quartz	Art.-Nr. CT 486 050

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