



KOSTER UTC-LT

Technical Data Sheet CT 323

Issued: 05-19-16

Transparent polyurethane-polyurea top coat

Features

KOSTER UTC-LT is a unique, versatile, polyurethane-polyurea coating for use in low temperature environments. KOSTER UTC-LT 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, final top coat with the KOSTER Chip and Quartz Floor System.

Technical Data

Property	Data
% solids (by weight)	95%
Mix Ratio (by volume)	A (resin) : B (hardener) 1 : 1
Viscosity, 70°F	300 - 400 cps
Pot life, 70°F	approx. 30 min
Dry Time, 70°F	approx. 1 - 2 h
Working Time, 70°F	approx. 10 min
VOCs	0

Property	Test Method	Result
Konig Hardness	ASTM D-4366	171
Compressive Strength	ASTM D-2370	7,000 psi
Tensile Elongation	ASTM D-638	10%
Adhesion to Concrete	ASTM D-4541	400 psi, concrete failure
Impact Resistance	ASTM D-2794	>160
Water Absorption	ASTM D-570	Not tested
Flame Spread	ASTM E648-14	Class I, NFPA 101
Abrasion Resistance	ASTM D-4060	15 mg loss
Coefficient of Friction	ASTM D-2047	0.7 (wet) 0.8 (dry)
Gloss (60 Degrees)	ASTM D-523	90+

Fields of Application

- Laboratories
- Garages
- Pharmaceutical Plants
- Clean rooms
- Kitchens
- Hospitals
- Kennels

Substrate

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

Application

KOSTER UTC-LT can be applied by roller or squeegee. Apply a coat

of mixed KOSTER UTC-LT at approx. 320 ft²/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. To extend working time, KOSTER UTC-LT can be thinned with xylene. The maximum amount that can be added is 1 qt per 1.5 gal mix. The xylene is added while A and B components are mixed together.

Coverage

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

Cleaning

Clean tools immediately with xylene (or similar) after use.

Packaging

CT 323 002	2 gallon Combi-Pack
CT 323 005	5 gallon Combi-Pack
CT 323 010	10 gallon Combi-Pack
CT 323 110	110 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 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

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 UTC	Art.-Nr. CT 321
KOSTER UTC-Color	Art.-Nr. CT 322
KOSTER UTC-LT	Art.-Nr. CT 323
KOSTER UTC-LT-Color	Art.-Nr. CT 324
KOSTER ES	Art.-Nr. CT 366
KOSTER Color Chips	Art.-Nr. CT 429
KOSTER Color Quartz	Art.-Nr. CT 486 050
KOSTER Skid-Resistant Broadcast-Medium	Art.-Nr. CT 486 055
KOSTER Skid-Resistant Broadcast-Coarse	Art.-Nr. CT 487 055
KOSTER TA Fiber	Art.-Nr. CT 755 044
KOSTER TA Fumed Silica	Art.-Nr. CT 756 053
KOSTER Abrasion Resistant Additive	Art.-Nr. CT 757 007
KOSTER Anti-Microbial Additive	Art.-Nr. CT 759 001
KOSTER Fisheye Eliminating Additive	Art.-Nr. CT 760 010
KOSTER Adhesion Promoting Additive	Art.-Nr. CT 761 001
KOSTER Slip-Resistant Additive	Art.-Nr. CT 762 001
KOSTER Matte Additive	Art.-Nr. CT 763 001

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