



KOSTER CT 215 Universal Floor

Technical Data Sheet CT 215 old

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Technical Data: Viscosity 68° F Approx. 1000 cps Density: 10.52 pounds/gallon Mixing ratio: 5:1 by volume Tensile strength: 220 psi Pot life: 1 hour Recoatable: 12 hours

Scratch-resistant primer and sealing coat for light to medium chemically and mechanically stressed wall and floor surfaces.

Features

KOSTER CT 215 Universal Floor is a solvent-free, water based epoxy resin suitable for priming absorbent concrete surfaces and for the colored coating of mineral wall and floor surfaces and for coating horizontal concrete surfaces. Thanks to its silky matt surface appearance, KOSTER CT 215 Universal Floor provides an easy-care surface, which can be further treated by subsequent coatings if required. KOSTER CT 215 Universal Floor is completely solvent-free so that the room air is not negatively affected. KOSTER CT 215 Universal Floor is water vapor permeable and can be used as a surface protection system in inhabited interiors.

Fields of Application

KOSTER CT 215 Universal Floor is applicable in variable layer thicknesses between a thin coating to a 1/16" (floor leveling) for the protection and surface design of concrete in inhabited interiors or commercial areas such as laboratories, sales rooms, and offices which have a light to medium mechanical and chemical load exposure. As a water based epoxy resin, KOSTER CT 215 Universal Floor is also suitable for coating moist surfaces.

By broadcasting various materials or incorporating various granules such as KOSTER Color Chips or KOSTER Anti-Slip Granulate 20, various surface structures can be achieved in accordance with the guidelines of professional associations.

On exterior installations, the surfaces must be fully broadcasted to rejection with KOSTER Color-Chips. Surfaces with KOSTER Color Chips or other broadcast surfaces have to be reworked with water vapor-permeable coatings like KOSTER CT 327 1C Silane Sealer. Further information can be found in the System Data Sheet.

Substrate

The surface must be clean, free of oil and grease and be well bonded. The surface may be damp, but not permanently exposed to rear-facing moisture. Before KOSTER CT 215 Universal Floor is applied the concrete must be prepared using suitable methods such as shotblasting or grinding. Smaller partial areas (Please refer to the system data sheet for more information).

Application

It is best to process the material at temperatures between +60° F and +86° F, whereby the floor and the room temperature should be between +50° F and +77° F during processing and curing. A minimum temperature difference of +37° F to the dew point must be maintained during and for at least 24 hours after processing.

The temperature-controlled components must be mixed intensively with a mechanically driven stirrer (below 400 rpm) until a homogeneous consistency is reached (mixing time approx. 2 minutes). Repotting and

mixing again is necessary (mixing time approx. 1 minute). The addition of solvents is not permitted.

Beginning from a layer thickness of 1/32" KOSTER CT 215 Universal Floor should be filled with KOSTER Filler Fine in a mixing ratio of 1: 1. Afterwards it is necessary to seal the hardened surface with a top coat consisting of KOSTER CT 215 Universal Floor or with KOSTER Color Chips with KOSTER CT 127 1C Silane Primer or KOSTER TS Transparent.

After processing, ensure that there is sufficient ventilation to remove the excess moisture from the coating.

Please refer to the system data sheet for more information.

Coverage

300-500 square feet/gallon

Coverage:

Prime Coat: Approx. 350-500 ft²/gal

Body Coat: Approx. 45-200 ft²/gal

Leveler mixed with KOSTER Filler Fine: Approx. 20-45 ft²

Cleaning

Clean tools immediately after use with water. Cured material must be mechanically removed.

Packaging

CT 215 003

3 kg bucket

CT 215 010

10 kg

Storage

Store cool, but frost-free in closed containers. The material can be stored for a minimum of 12 months at temperatures between + 60° F and + 77° F.

Safety

Wear protective gloves and goggles. Observe all local, state, and federal safety guidelines while processing the material.

Limited Warranty

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

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.

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Waterproofing Systems

warranties. Notwithstanding the foregoing, KÖSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KÖSTER 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.

Other

Liquid polymers react to temperature fluctuations by changing their viscosity and/or curing behavior. The instructions given in the Technical Data Sheets must be followed. Application should only be carried out during falling or constant temperatures. Low temperatures will slow the reaction; high temperatures and mixing large volumes will increase the reaction rate. A temperature difference of + 10° F to the dew point must be ensured during application and curing.

In terms of production technology, color deviations from different batches, as well as after different water additions, cannot be completely ruled out. In the event of contact with tires, depending on the tire manufacturer's rubber compound and/or other conditions, possible discoloration of the coating may occur.

Related products

KÖSTER CT 327 1-C-Silane Primer	Art.-Nr. CT 327 005
KÖSTER Color Chips	Art.-Nr. CT 429
KÖSTER Filler Fine	Art.-Nr. CT 710 020

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