





KÖSTER CT 215 Universal Floor

Technical Data Sheet CT 215

Issued: 2021-08-03

AgBB-Testing certificate Nr. L 2400 FM, 10.9.2020, Product fulfills requirements of category A
 Test according to EN 1504-2: ZA. 1f "Physical Resilience (5.1), July 2020
 Test according to EN 13813: SR - b 2.0 AR 0.5 -IR 4 "Synthetic resin screed mortar for indoor use", July 2020
 Various individual test certificates for the anti-slip properties according to DIN 51130 and DGUV rule 108-003, MPI Adendorf, July 2020, depending on the structure R10, R11 and R12
 Water vapor permeability to determine the sD values i. P.

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

		KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 20 CT 215 EN 13813:2002 Synthetic resin flooring for indoor use
Reaction to Fire	Efl a)	
Release of corrosive substances	SR	
Water tightness	W3	
Wear resistance	AR 0.5	
Tensile strength	B 2.0	
Impact resistance	IR 4	
Impact sound insulation	NPD	
Sound absorption	NPD	
Thermal insulation	NPD	
Chemical resistance	NPD	
Dangerous substances	NPD	
		KÖSTER BAUCHEMIE AG Dieselstraße 1-10, 26607 Aurich 20 CT 215 EN 1504-2:2004 Physical resistance (5.1)
Wear resistance	AR 0.5	
Capillary water absorption and water permeability	w · 0.1 kg/(m ² /h/0.5)	
Impact resistance	no cracks or delamination, class I	
Adhesive tensile strength	≥2.0 (1.5) N/mm ²	
Reaction to fire after application	Class Efl a) (see above)	

Technical Data

Consistency (+ 20 °C)	approx. 1000 mPa·s
Density	approx. 1.6 g/cm ³
Mixing ratio	6:1
Colors	Stone grey(ca. RAL 7030) Light grey(ca. RAL 7035) Peppel grey(ca. RAL 7032) Basalt grey(ca. RAL 7012) further RAL or NCS colors upon request
Tensile strength	≥ 1.5 N/mm ² (failure in concrete)
Pot life	approx. 1 h
Overcoatable after:	Depending on environmental conditions approx. 12 Stunden

Fields of Application

KÖSTER CT 215 Universal Floor is applicable in variable layer thicknesses between 0.2 mm (coating) and 2 mm (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, KÖSTER CT 215 Universal Floor is also suitable for coating matt-moist surfaces. By broadcasting various materials or incorporating various granules such as KÖSTER Color Chips or KÖSTER 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 KÖSTER Color-Chips. Surfaces with KÖSTER Color Chips or other broadcast surfaces have to be reworked with water vapor-permeable coatings. Further information can be found in the System Sata Sheet.

Substrate

The surface must be clean, free of oil and grease and have a minimum tensile strength of 1.5 N / mm². The surface may be damp, but not permanently exposed to rear-facing moisture. Before KÖSTER CT 215 Universal Floor is applied the concrete must be prepared using suitable methods such as shotblasting and grinding. Smaller partial areas (≤ 50 m²) and detail areas such as wall-floor connections can be prepared by grinding alone. Please refer to the system data sheet for more information.

Application

It is best to process the material at temperatures between +15 ° C and +30 ° C, whereby the floor and the room temperature should be between +10 ° C and +25 ° C during processing and curing. A minimum temperature difference of +3 ° C to the dew point must be maintained during and for at least 24 h after processing. The temperature-controlled components must be mixed intensively with a mechanically driven stirrer (below 400 rpm) until a homogeneous

Features

KÖSTER 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, KÖSTER CT 215 Universal Floor provides an easy-care surface, which can be further treated by subsequent coatings if required. KÖSTER CT 215 Universal Floor is completely solvent-free so that the room air is not negatively affected.

KÖSTER CT 215 Universal Floor is water vapor permeable and can be used as a surface protection system in inhabited interiors.

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 proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for 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 exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

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 mm, KÖSTER CT 215 Universal Floor should be filled with KÖSTER Filler Fine in a mixing ratio of 1: 1. Afterwards it is necessary to seal the hardened surface with a top coat consisting of KÖSTER CT 215 Universal Floor or with KÖSTER Color Chips with KÖSTER CT 127 1C Silane Primer or KÖSTER TS Transparent.

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

Related products

KÖSTER CT 127 1C Silane Primer
KÖSTER Anti-Slip Granulate 20
KÖSTER Color-Chips
KÖSTER Filler Fine

Prod. code CT 127 005
Prod. code CT 411 200
Prod. code CT 429
Prod. code CT 710 020

Please refer to the system data sheet for more information.



QR-Code: Link to System data Sheet

Consumption

1.5 kg / m² / mm

For further information see the system data sheet.

- as a sealant: approx. 0.2 kg / m²

- as a leveling coating: approx. 0.75 kg / m² / mm layer thickness plus
0.75 kg / m² / mm KÖSTER Filler Fine

Cleaning

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

Packaging

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 + 15 °C and + 25 °C.

Safety

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

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 + 3 °C 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.

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