

## Technical Data Sheet

33.06.611E – 07/06

### ® KERAKRET ZE 230

#### Quick-setting resin modified composite screed

#### Description

KERAKRET ZE 230 is a resin modified cement screed with an accelerated hardening time. Depending on the individual requirements, the layer thickness may range from 10 to 50 mm.

#### Typical uses

KERAKRET ZE 230 is recommended as a levelling layer for concrete areas and to form slopes. KERAKRET ZE 230 is also generally used as a screed whenever the setting time needs to be very short.

#### Properties

With KERAKRET ZE 230 residual moisture contents of < 4% are already achieved 3 - 5 days after setting time at 20°C. Consequently, synthetic resin coatings may already been applied to the screed after a very short period of time. KERAKRET ZE 230 hardens without shrinkage.

#### Chemical resistance

Information on the chemical resistance properties will be provided on request.

#### Substrate

Concrete structures must satisfy the requirements given in DIN EN 14879-1.

#### Surface pretreatment

If required, the concrete surface shall be treated by means of abrasive blasting to ensure that it is free of laitance, cement skin, loose or brittle particles, structural flaws and any substances that may act as separating agents.

#### Application

KERAKRET ZE 230 consists of a two-component Primer and a two-component Top Coat.

Mixing ratios	Parts by weight (kg)	Parts by volume (l)
<u>Primer</u>		
KCH ZE solution 1	100	2.00
Water	470	9.90
<u>Top Coat</u>		
KCH ZE solution 1	100	3.00
KCH ZE powder 1	800	15.00
		(1 bag 25 kg)

Apply the Primer, allow to penetrate, spread Top Coat compound fresh in fresh and distribute it evenly.

#### Pot life

Temperature	Primer	Top Coat
15°C	2 days	~ 120 min.
20°C	2 days	~ 90 min.
30°C	2 days	~ 40 min.

#### Coverage

Primer: approx. 0.5 kg/m<sup>2</sup>  
Top Coat: approx. 1.9 kg/m<sup>2</sup> per mm thickness

#### Packing

The following standard quantities are available:

KCH ZE solution 1 20 kg  
KCH ZE powder 1 25 kg

#### Storage

The products shall be stored in a cool and dry place. With a storage temperature of 20°C the minimum shelf life is as follows:

KCH ZE solution 1 12 months  
KCH ZE powder 1 24 months

Higher temperatures will shorten the shelf life of this products. The packaging drums are to be kept tightly shut and are to be resealed each time material has been removed. All liquid products must be stored frost-free.

**Safety**

Adequate ventilation is to be provided while work is in progress. Ventilation is compulsory for all work carried out in pits and closed rooms. All vapours that are produced while work is in progress must be continuously suctioned off at floor or bottom level.

Only the amount of material effectively required to continue work is to be stored at the working place. The instructions for the prevention of fire and explosion are to be observed if required.

Please note and ensure that even the smallest quantities of the individual components and/or prepared mixtures are not allowed to reach the sewerage.

All regulations for the prevention of accidents stipulated by the employer's liability assurance association, the regulations for the prevention of accidents prescribed at the site of application and the TRGS 507 „Surface treatment in rooms and tanks“, as well as the safety precautions listed on the packing (label) required by the provisions of the Hazardous Materials Ordinance shall be adhered to. The operating instructions pursuant to § 14 GefStoffV as well as the EC safety data sheets are to be complied with.

Technical data	Test specification	Unit	Parameter
Density	DIN EN ISO 1183-1	g/cm <sup>3</sup>	1.9
Compressive strength	DIN EN ISO 604	MPa	30
Adhesiveness to concrete/screed <sup>*)</sup>	DIN EN 24624	MPa	> 2
Dissipation Resistivity (to ground)	DIN EN ISO 1081	Ω	> 10 <sup>9</sup>
Linear thermal expansion coefficient	DIN 53752	K <sup>-1</sup>	12 · 10 <sup>-6</sup>
Max. operational temperature		°C	80

<sup>\*)</sup> Compressive strength 25 MPa

The technical data contained herein represents the current state of our product knowledge and is intended to furnish general information regarding our products and their application spectrum. In view of the diversity and multitude of application possibilities, this data should be regarded solely as general information, which does not guarantee any specific properties and/or suitability of these products for each concrete case of application. Consequently, when ordering a product, please contact us for detailed information relative to the properties required for a specific application. Our technical service will, upon request, furnish a profile of characteristics for the concrete application without delay.

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