

Technical Data Sheet

33.06.665E - 07/06

® KCH EP Primer 15

Primer for moist concrete and screed surfaces

Product description

KCH EP Primer 15 is a primer based on epoxy resins designed especially for partly moist substrates and low temperatures. This primer is nonylphenol- and silicone-free. The primer can also be applied to wet mineral substrates (minimum setting time 7 days), which do not exhibit puddle formations.

Solvent free in acc. with **ibh** – recommendation

Typical use

KCH EP Primer 15 is recommended as a primer for moist concrete and screed surfaces. An excellent adhesion to the wet substrate is achieved as a result of the special formulation. This primer may be utilized for repairs or applied as a complete primer system. At the time of application, any residual moisture still remaining in the substrate must be taken into consideration in order to avoid the occurrence of damages!

The primary fields of application include concrete and screed surfaces that exhibit concrete moisture in excess of 4 % as a result of special circumstances.

Properties

KCH EP Primer 15 is a moisture-tolerant primer for EP- and polyurethane top coats that penetrates extremely well into the substrate.

- Test Report: Bonding behaviour under rear moisture exposure (Polymer Institute).

Chemical resistance

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

Substrate

All concrete components to be coated must meet the requirements contained in DIN 28052-2.

Surface pretreatment

If required, the concrete surface must be prepared by abrasive blasting or other suitable mechanical methods to remove cement slurries, cement skin, loose or brittle particles, defects and parting compounds.

Do not apply this coating until at least 7 days after completion of concreting works.

Application

To ensure proper application, the safety precautions listed on the labels as well as the EC Safety Data Sheets must be observed.

KCH EP Primer 15 is packaged and shipped in pre-measured units.

Primer

Primer	Parts by weight (kg)	Parts by volume (l)
<u>KCH EP Primer 15</u>		
Component A	100	2.00
Component B	67	1.48

When used as a primer, the compound is applied with a roller or brush. Special care should be taken to avoid puddles/sagging, to ensure that all voids are filled and that a solid surface is achieved. The primer should be thoroughly worked into the substrate.

Coverage: approx. 0.2 – 0.4 kg/m² depending on the condition of the substrate.

Pot life

Temp.	KCH EP Primer 15
15°C	approx. 60 min
20°C	approx. 40 min
30°C	approx. 20 min

Exposure to Loads

Fit for foot traffic after: approx. 12 hours (23°C)

Fit for mechanical and chemical exposure : approx. 5 days (23°C)

Packing

The products are shipped in the following standard packing units:

KCH EP Primer 15 Comp. A	5.5 and 12.0 kg
KCH EP Primer 15 Comp. B	3.7 and 8.1 kg

Storage

Store all products in a cool and dry location (liquid and paste-like products in a frost-free environment). All regulations relative to fire and explosion protection must be observed. The minimum shelf life for each component at a storage temperature of 23°C (unopened original containers) is indicated below:

KCH EP Primer 15 Comp. A	12 months
KCH EP Primer 15 Comp. B	12 months

Higher temperatures will shorten the shelf life of these products. Keep packing units tightly sealed and reseal each time materials have been removed. All liquid products are to be stored in a frost-free environment.

Safety

Adequate ventilation is to be provided while work is in progress.

Forced ventilation is compulsory for all work carried out in pits and enclosed areas. All vapors produced

while work is in progress must be continuously suctioned off at floor or bottom level.

Only such amounts of material as required for the uninterrupted execution of the works are to be stored at the work place. All regulations relative to fire and explosion protection shall be complied with as required. Special care shall be taken to ensure that no amounts of the individual components and/or the mixed compounds are released into the drainage systems.

All regulations for the prevention of accidents stipulated by the employer's liability insurance association, the pertinent accident prevention regulations 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 packages (label) pursuant to the provisions of the Hazardous Materials Ordinance shall be adhered to. The operating instructions as specified in § 14 GefStoffV (Hazardous Materials Ordinance) 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 ³	1.05
Adhesive strength to concrete/screed ^{*)}	DIN EN 24624	MPa	> inherent strength of substrate
Leakage resistance to earth	DIN EN ISO 1081	Ohm	> 10 ⁹
Coefficient of linear thermal expansion	DIN 53752	K ⁻¹	50 · 10 ⁻⁶
Maximum service temperature (dry)		°C	80

^{*)} 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 information should be regarded as a guideline only, which does not guarantee any specific properties and/or suitability of these products for each concrete case of application. Consequently, prior to placing an order for a product, we recommend that you provide us with the specific properties required for a particular application. Upon request, our technical service will immediately draw up a detailed property profile for that concrete application case.

KCH GROUP GmbH

Postfach 11 63, D-56425 Siershahn

Telephone: +49 (0) 2623-600-518 / Fax: +49 (0) 2623-600-854 / eMail: info@kch-group.com

تلفن: ۰۴-۲۲۶۴۶۷۸۳ و ۰۱۰-۲۲۶۳۰۶۰۸

شرکت کسری نماینده رسمی KCH آلمان