

Technical Data Sheet

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® KERAPLAN PU 411

Colorless, matt, aqueous acrylic polyurethane sealing system

Product description

KERAPLAN PU 411 is a colorless, UV-stable sealing system with a dull finish, based on aqueous acrylic polyurethane resin. The product is nonylphenol-free.

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

Typical use

KERAPLAN PU 411 is recommended as a matt-finish sealing system for EP- and polyurethane coatings.

The use of KERAPLAN PU 411 is particularly well-suited for environments where decorative coatings, such as coloured quartz screeds or chip coatings are required to have a non-glossy surface finish.

Properties

KERAPLAN PU 411 is a non-glossy, colourless top coat sealing system for EP- and polyurethane coatings that can withstand light to moderate chemical and mechanical loads. It is scratch-proof, abrasion-resistant, UV-stable and has an excellent adhesion to EP- and PU-based coatings. Continuous exposure to wet loads should be avoided.

Chemical resistance

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

Substrate

Fully cured EP- and PU-coatings (new coatings).

Surface pre-treatment

The surface of the EP- or PU-coating which shall be coated must be free of separating substances and impurities.

Application

KERAPLAN PU 411 is packaged and shipped in pre-measured units.

Sealer	Standard packing unit (kg)	Parts by weight
KERAPLAN PU 411		
Component A, colorless	7	100
Component B	1.43	20.4
KERAPLAN PU 411 RAL		
Component A, RAL	8.25	100
Component B	1.43	17.4

Carefully apply a thin layer of the compound to the existing, clean coating using a soft roller. Special care should be taken to ensure that no puddles form.

Coverage: Component A, colorless approx. 0.1 kg / m²
Component A, RAL.. approx. 0.15 kg / m²

Coverage will depend on the processing conditions as well as on the type of surface to be coated. The application of a second layer is contingent on the visual requirements.

Application time approx. 3 hours

Exposure to loads

Fit for foot traffic after: approx. 5 hours (23°C)

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

Packing

The products are shipped in the following standard packing units:

KERAPLAN PU 411 Comp. A, colorless	7.00 kg
KERAPLAN PU 411 Comp. A, RAL	8.25 kg
KERAPLAN PU 411 Comp. B	1.43 kg

Storage

The products shall be stored in a cool and dry place (liquid and paste-like products in a frost-free environment). With a storage temperature of 23°C the minimum shelf life is as follows:

KERAPLAN PU 411 Comp. A, colorless	6 months
KERAPLAN PU 411 Comp. A, RAL	6 months
KERAPLAN PU 411 Comp. B	6 months

Higher temperatures will shorten the shelf life of these products. Keep packing units tightly sealed and reseal each time materials have been removed. Liquid products must 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, colorless	DIN EN ISO 1183-1	g/cm ³	1.08
Density, RAL	DIN EN ISO 1183-1	g/cm ³	1.12
Taber abrasion (CS 10 / 1000 t / 1000 g)	ASTM D 4060-01	mg	< 39
Maximum service temperature (dry)		°C	60

The data contained herein represent the current state of our product knowledge and are intended to furnish general information regarding our products and their application spectra. 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 any particular application. Consequently, prior to placing an order for a product, we recommend that you provide us with the specific properties required for the intended application. Upon request, our technical service will immediately draw up a detailed property profile for that concrete application.

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شرکت کسری نماینده رسمی KCH آلمان