



CreaGlas

2C PU Finish 3471

CreaGlas 2C PU Finish 3471

silk gloss, water-dilutable, disinfectant-resistant, decontaminable, Wet abrasion resistance class 1, for interior use

Properties

Water-dilutable, two-component coating with extremely hard-wearing surface. Silk gloss, mild odor and free from fogging-active substances. Resistant to disinfectant in accordance with the test report as well as to dilute acids and bases. Tested according to requirements of AgBB evaluation schemes and according to the test certificate for use with indirect contact with foodstuffs. Suitable for decontamination according to test certificate 3-250/10. Highly adhesive, good covering and filling capacity and very easy to use. Additionally, with optimum isolating effect against nicotine/smoke condensate as well as water-dilutable, coloring materials in the substrate. Hardly inflammable B1 according to DIN 4102 in system build-up with CreaGlas Fabric and Relief 3490 according to Test Certificate No. P-BWU03-I-16.5.144.

Field of application

For extremely hard-wearing ceiling and wall coats in the interior, especially if used in CreaGlas Fabric system. Particularly suitable in highly exposed areas, e.g. operation theaters and radiation rooms in hospitals, laboratories, dairies, slaughter houses. Can also be used as an isolation coat, e.g. in restaurants, lounges or canteens. Also suitable for relief, chipboard, foam vinyl or embossed wallpaper, interior plaster (normal plaster mortar group PII, PIII, PIV depending on the pressure resistance), concrete, gypsum plasterboard.

Material description

Standard color: 0095 white. Bright colors can be mixed using the Brillux Color System. Additional color shades available upon request.
Base material: water-dilutable, reactive polyacrylate
Density: approx. 1.35 g/cm³
Classification according to EN 13300:
- Wet abrasion resistance:
- Class 1
- Contrast ratio: Class 2 at 7 m²/l
- Gloss: silk-gloss
- max. grain size: fine
Packaging:
0095 white: 5 kg, 15 kg
Color system: 5 kg, 15 kg
Hardener in separate container.

Use

Mixing

Mix CreaGlas 2C PU Finish 3471 and CreaGlas PU Hardener 3472 in the specified mixing ratio. Ensure that the hardener container is emptied completely. Mix the two components thoroughly until a smear-free, homogeneous mass is obtained. We recommend using a slow-running mixer (max. 400 rpm) with special two-component stirrer to avoid inclusion of air. Then pour the mass in another container and stir again thoroughly.

Mixing ratio

100 parts by weight of base paint with 16 parts by weight of hardener (5.5 : 1 parts by volume). Ensure that both components are mixed thoroughly, use an electric stirrer, as required. Do not tightly close containers with a mixture of base paint and hardener. Such mixtures continue to react; this produces carbon dioxide and could cause the container to burst.

Pre-reaction time

After mixing, allow to react for approx. 10 minutes.

Thinning

If necessary, slightly dilute with water. If used as a top coat, apply unthinned. CreaGlas 2C PU Finish 3471 may only be thinned after mixture of the two components and after the pre-reaction time.

Tinting

Up to max. 1% with Mixol Universal Tinting Concentrate 1128. Only tint CreaGlas 2C PU Finish 3471 after mixing.

Compatibility

Only mixable with similar materials and those specified in this Data Sheet.

Application

Apply CreaGlas 2C PU Finish 3471 by brush or roller only.

Pot life (at +20°C)

Approx. 3 to 4 hours. After that time, do not dilute the material again nor continue to use it.

Consumption

In system build-up with CreaGlas Fabric: approx. 220 to 290 g/m² for intermediate coat.

approx. 160 to 190 g/m² for top coat.

On smooth substrates: approx. 160 to 190 g/m² per coat.

Determine exact consumption by means of a test application on the object to be coated.

Application temperature

Recommended air and object temperature: +10 °C to +25 °C. Do not apply if air or object temperature is below +5 °C.

Tool cleaning

Clean tools immediately after use with water.

Drying (+20 °C, 65 % relative humidity)

Non-sticky after drying overnight. Surface dry after about 12 hours. Completely loadable (hardened) after approx. 7 days. Apply subsequent coatings on CreaGlas 2C PU Finish 3471 after allowing one day of intermediate drying. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and frost-free location. Reseal opened containers tightly.

Declaration

Note

Contains preservatives.

Water pollution classification:

Class 1, according to VwVwS.

Product code

PU40.

Comply with the specifications in the current Safety Data Sheet.

CreaGlas PU Hardener 3472

CreaGlas PU-Härter 3472

Properties

Special hardener, container size adjusted to mixing ratio with CreaGlas 2C PU Finish 3471.

Field of Application

For mixture with CreaGlas 2C PU Finish 3471 in specified mixing ratio.

Material description

Color: yellowish

Material basis: aliphatic polyisocyanate

Density: approx. 1.1 g/cm³

Packaging: 800 g, 2.4 kg base component in separate container

Use

Use CreaGlas PU Hardener 3472 only after mixture with CreaGlas 2C PU Finish 3471 (in specified mixing ratio), as described above.

Storage

Store in a cool and frost-free location. Reseal opened containers tightly.

Declaration

Water pollution classification: WGK 2, according to VwVwS.

Product code PU40.

Comply with the specifications in the current Safety Data Sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, load-bearing and free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion. Check existing coatings for their suitability, load-bearing capacity and adhesive properties. Remove defective and unsuitable coatings thoroughly and dispose of them in accordance with the applicable regulations. Thoroughly wash off limepaint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand down well and clean. Completely remove any wall coverings that are not suitable for painting; that includes any paste or wall-glue residue. Treat replastered areas with a fluorine primer. Apply a prime and/or intermediate coat to the substrate as required. Also see VOB Part C, DIN 18363, Section 3.

First coat

Substrates	Prime coat	Intermediate coat	Top coat ¹⁾
uncoated CreaGlas Fabric, Relief, wood-chip wallpaper	depending on requirements CreaGlas Fabric Finish or CreaGlas 2C PU Finish 3471	If necessary CreaGlas 2C PU Finish 3471	1–2x CreaGlas 2C PU Finish 3471
Interior plaster (normal plaster of mortar groups PII, PIII), concrete, Gypsum plaster (mortar group PIV), gypsum plasterboards, gypsum wallboards	as required, Lacryl Deep Penetrating Primer ELF 595, Deep Penetrating Primer 545 or Adhesion Primer ELF 3720	CreaGlas 2C PU Finish 3471	

¹⁾ To create surfaces suitable for decontamination, three coats of CreaGlas 2C-PU Finish 3471 must be applied in accordance with the test certificate.

Renovation coat

Substrates	Prime coat	Intermediate coat	Top coat ¹⁾
normally absorbent substrates, e.g. matt emulsion paint coats	depending on requirements CreaGlas Fabric Finish or CreaGlas 2C PU Finish 3471	If necessary CreaGlas 2C PU Finish 3471	1–2x CreaGlas 2C PU Finish 3471
non-absorbent or low-absorbent substrates, e.g. oil and varnish paint coats, glossy emulsion paint coats	Adhesion Primer ELF 3720	CreaGlas 2C PU Finish 3471	
intact, two-component coats, e.g. CreaGlas 2C PU Finish	2C Aqua Epoxy Primer 2373		

¹⁾ To create surfaces suitable for decontamination, three coats of CreaGlas 2C PU Finish 3471 must be applied in accordance with the test certificate.

Notes
Coating for covering hairline cracks on gypsum plaster-board

A coating that covers hairline cracks on gypsum plasterboard, gypsum fiber board, etc. in accordance with VOB Part C, DIN 18363, Section 3.2.1.2 can be created, for example, by reinforcing the entire surface with CreaGlas Nonwoven VG 1000 and Rapid Nonwoven 1525.

Filling rough surfaces

Smooth rough surfaces before the coating build-up by filling them with, e.g., Briplast Mineral Hand Applying Light Filler ELF 1886, as required.

Use of disinfectants

In addition to the disinfectants listed in the test report, other materials may also be assessed for suitability. For more information, contact the Brillux consulting service.

Repairs

Repairs to the surface become more or less strongly apparent depending on the situation on the site. According to BFS Leaflet No. 25, Item 4.2.2.1, Section e, this is unavoidable.

Applying thin layers on smooth substrates

When applying thin layers to create surfaces with minimal texture on smooth substrates (e.g. filled gypsum plasterboard), additional coats may be required to achieve sufficient covering power or other measures may be required in building up the coating. Please contact Brillux consulting service, as required.

Further specifications

Observe the information in the Data Sheets of the products used as well as the following System Data Sheets:

- Data Sheet 3457
CreaGlas Fabric System
- Data Sheet cg20
CreaGlas Fabric Profession
- Data Sheet cg21
CreaGlas Fabric VG
- Data Sheet cg22
CreaGlas Fabric VG K
- Data Sheet cg23
CreaGlas Fabric Art-Line

The respective test verification must be observed to achieve a certified system build-up. The current versions can be found on the Internet.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet appears with updated information the previous version no longer applies. The current version is available on our website.

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