Data Sheet

CreaGlas 2K-PU Finish 3471

silk matt, water-dilutable, disinfectant-resistant, decontaminable, wet abrasion resistance R-class 1, for interior use

Field of application

For extremely hard-wearing ceiling and wall coats in the interior, especially if used in the CreaGlas Fabric System. Particularly suitable in hard-wearing areas, e.g. operation theaters and radiation rooms in hospitals, laboratories, dairies, slaughterhouses. Can also be used as an isolation coat, e.g. in restaurants, lounges or canteens. Also suitable for relief, woodchip wallpaper, foam vinyl or embossed wallpaper, interior plaster, concrete, gypsum plasterboard and when used in combination with Magnofill 1859, for creating magnetic wall surfaces.

Properties

- Water-dilutable
- Two-component
- Mild odor
- Corresponds to requirements set out by “Ausschuss zur gesundheitlichen Bewertung von Bauprodukten” (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Suitable for indirect contact with foodstuffs in accordance with the test certificate
- Resistant to watery, non-alcohol-based disinfectant in accordance with the test certificate
- Decontaminable in accordance with the test certificate
- Extremely hard-wearing
- Good hiding power and filling capacity
- Optimum isolating effect against nicotine/smoke condensate as well as water-dilutable, coloring materials in the substrate
- “Schwerentflammbar B1” (flame-retardant) in system build-up with CreaGlas Fabric / Nonwoven, Relief 3490 and nonwoven wall coverings in accordance with the test certificate
- Suitable for use in clean rooms
- For interior use

Material description

Colors	0095 white Light color shades can be mixed with the Brillux Color System.
Base material	Water-dilutable reactive polyacrylate
Density	Approx. 1.35 g/cm³
Classification according to EN 13300	Wet abrasion resistance: R-class 1 Contrast ratio: H_{10}-class 2 (at 7 m²/l) gloss grade: G2b medium shine (silk matt) Maximum grain size: S1 fine
Reaction to fire	B1 – in accordance with DIN 4102 (“schwerentflammbar”, flame-retardant) In system build-up with CreaGlas fabric / nonwoven, Relief 3490 and nonwoven wall coverings in accordance with the test certificate
Packaging	0095 white: 5 kg, 15 kg Color System: 5 kg, 15 kg

Use

Mixing ratio	100 parts by weight of CreaGlas 2K-PU Finish 3471 with 16 parts by weight of CreaGlas PU Hardener 3473 (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.
Mixing	Mix basic enamel and hardener in the specified mixing ratio shortly before application. Ensure that the hardener container is completely emptied without residue. Mix both components thoroughly, until a streak-free, homogeneous mixture is obtained. We recommend using a slow-speed mixer (max. 400 rpm) with a special two-component stirrer that prevents the inclusion of air. Then pour the mixture into another clean container and allow it to pre-react for approx. 10 minutes. Do not mix freshly mixed material with residual material.
Thinning	If necessary, thin slightly with water. If used as a top coat, apply unthinned. CreaGlas 2K-PU Finish 3471 may only be thinned after mixing the two components and after the pre-reaction time.
Tinting	Up to max. 1% with Mixol Universal Tinting Concentrate 1128. Only tint CreaGlas 2K-PU Finish 3471 after mixing.
Compatibility	Can only be mixed with similar materials and those stipulated in this data sheet.
Application	CreaGlas 2K-PU Finish 3471 can be applied with a brush or a roller.
Pot life (at +20°C)	Approx. 2 hours. After the pot life has ended, do not dilute the material again or continue to use it.

Use

Consumption

In system build-up with CreaGlas Fabric depending on the design:
approx. 220 to 290 g/m² for the intermediate coat.
approx. 160 to 190 g/m² for the top coat.
On smooth substrates:
approx. 160 to 190 g/m² per coat.
Determine the 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 with water and wetting agent immediately after use.

Drying (+20°C, 65% relative humidity)

Non-sticky after drying overnight. Surface dry after approx. 12 hours. Completely loadable (hardened) after approx. 7 days. Apply subsequent coatings on CreaGlas 2K-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 place. Reseal opened containers tightly.

Declaration

Notes

Contains preservatives.

Product code

PU10
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 the suitability, load-bearing capacity and adhesive properties of existing coatings.
- Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations.
- Thoroughly rinse off reversible, water-sensitive coats (e.g. distemper).
- Wash down intact coats of oil paints and varnishes with an alkaline solution, sand well and clean.
- Completely remove any wall coverings that are not suitable for painting; this includes any paste or wall-glue residue.
- Treat replastered areas with a fluorine primer; if the subsequent paint coat is to be tinted, prime the entire surface.
- See also VOB Part C, DIN 18363, Section 3.

Coating build-up

First coats

Substrates [1]	Prime coat	Intermediate coat	Top coat [3]
Uncoated CreaGlas Fabric / Nonwoven, nonwoven wall coverings, embossed wallpaper	Depending on requirements, Sedashine 991, Sedagloss 993 or CreaGlas 2K-PU Finish 3471	If necessary, CreaGlas 2K-PU Finish 3471	CreaGlas 2K-PU Finish 3471
Interior plaster (depending on the compressive strength [2]), concrete	Depending on the individual requirements Lacryl Deep Penetrating Primer 595, Deep Penetrating Primer 545 or Adhesion Primer 3720	CreaGlas 2K-PU Finish 3471	
Gypsum plaster [2], gypsum plasterboard [3], gypsum wallboard	Depending on the individual requirements Lacryl Deep Penetrating Primer 595, Lacryl Hydro-Gel 695, Wall Primer 3729 or Wall Primer coarse 3728		

[1] For creating magnetic wall surfaces, follow the instructions about the system build-up in the Magnofill 1859 data sheet.
[2] Minimum compressive strength > 2.0 N/mm² (compressive strength category CS II, CS III, CS IV)
[3] Prime soft and highly absorbent filler zones and substrates with Lacryl Deep Penetrating Primer 595 as part of the substrate pre-treatment.
[4] To create surfaces suitable for decontamination, three coats of CreaGlas 2K-PU Finish 3471 must be applied in accordance with the test certificate.

Renovation coats

Substrates	Prime coat	Intermediate coat	Top coat [1]
Normally absorbent substrates, e.g. matt emulsion paint coats	Depending on requirements, Sedashine 991, Sedagloss 993 or CreaGlas 2K-PU Finish 3471	If necessary, CreaGlas 2K-PU Finish 3471	CreaGlas 2K-PU Finish 3471
Non or not very absorbent substrates, e.g. oil and varnish coatings, glossy emulsion paint coatings	Adhesion Primer 3720	CreaGlas 2K-PU Finish 3471	
Intact, two-component coating, e.g. CreaGlas 2K-PU Finish	2K-Aqua EP Primer 2373		

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

Notes

Hairline-crack-bridging coating on plasterboard

A hairline-crack-bridging coating, e.g., on plasterboard, gypsum fiber boards, etc. in accordance with VOB part C, DIN 18363, section 3.2.1.2, can be achieved by means of full-surface reinforcement with nonwoven wall coverings based on cellulose and fiberglass.

Smoothening rough surfaces

Smooth rough surfaces before the coating build-up by filling them with, e.g., Briplast Silafill 1886, as required.

Touch-ups

Touch-ups to part of a surface are always visible. The degree to which they stand out depends on the situation on site. According to BFS Leaflet no. 25, Section 4.2.2.1, Paragraph e, this is unavoidable.

Use of disinfectants

In addition to the disinfectants listed in the test report, others may also be assessed for suitability. Contact the Brillux Consulting Service for more information.

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 information

Follow the instructions on the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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