

CreaGlas Nonwoven VG



CreaGlas Nonwoven 3457 with pigmented pre-priming



Field of application

CreaGlas Nonwoven VG is a special coating nonwoven for smooth and even wall and ceiling surfaces indoors and – by combining numerous corresponding coatings – allows the creation of unique, high quality surfaces. Suitable for use in offices and private rooms, hotels, restaurants, museums, hospitals, schools, childcare facilities, etc.

Properties

- White pigmented pre-priming
- Dimensionally stable for neatly formed joints
- Pressure resistant for perfect handling
- A premium option for especially smooth and even surfaces
- Certified according to Öko-Tex Standard 100
- Displacement-resistant
- Exact cutting to size, dry or wet
- Joint formation edge to edge or in double-cut technique
- Can be coated several times
- Crack-bridging

Material description

Designs	Designation ^{*)}	Length of roll	Weight
	1000 VG Glasvlies (nonwoven) ¹⁾	Approx. 50 m	Approx. 140 g/m ²
	1001 VG Glasvlies Premium (nonwoven premium) ²⁾	Approx. 50 m	Approx. 200 g/m ²
^{*)} Names as per the CreaGlas Fabric sample collection. ¹⁾ Can also be applied with the wallpaper pasting machine. Use undiluted Nonwoven Adhesive ELF 375, undiluted Vitaglu 375 or water-diluted CreaGlas Fabric Adhesive ELF 377 for this purpose. Please refer to the information in the data sheets for the adhesive used. ²⁾ Due to the special, microporous texture of the VG Nonwoven Premium 1001, the surface becomes damp during application. This is typical for the material and has no impact on the subsequent coating.			
Base material	Nonwoven made from pure mineral glass fiber (diameter > 5 µm) with white-pigmented pre-priming.		
Roll formats	Width: 1.00 m Length: approx. 50.00 m		
Packaging	Individual rolls with protective foil in a cardboard box		

Use

Cutting	Cut lengths to size, plus an additional length of 5–10 cm. CreaGlas Nonwoven VG is subject to continual quality control. Isolated production-related faults are marked along the cutting edges and compensated with a corresponding additional length. These markings are not grounds for complaint. When cutting the product to size, always check if the nonwoven is free from defects.
Gluing	<p>Use undiluted Nonwoven Adhesive ELF 375, undiluted Vitaglu 375 or CreaGlas Fabric Adhesive ELF 377 diluted by approx. 15% with water for gluing the CreaGlas Nonwoven VG to produce particularly smooth, untextured surfaces. We recommend using water-diluted CreaGlas Fabric Adhesive ELF 377 for bonding CreaGlas Nonwoven VG on surfaces with higher requirements for wet adhesiveness, such as on ceiling surfaces. Evenly apply the adhesive in 2–3 strip widths directly to the substrate in sufficient, but not too thick layers. Lay the cut Nonwoven in the wet adhesive edge to edge and press out any bubbles with the Fabric Wallpaper Smoother 1323. To avoid surface differences, never glue on as “reversed alternate strips” or “laterally reversed”. To ensure correct application, heed the vertical, colored marking stripes on the back side of the fabric and the diagram on the packaging. The CreaGlas Nonwoven VG 1000 can also be applied with the wallpaper pasting machine. Use undiluted Nonwoven Adhesive ELF 375, undiluted Vitaglu 375 or water-diluted CreaGlas Fabric Adhesive ELF 377 for this purpose. Please refer to the information in the data sheets for the adhesive used. After pressing the fabric on, you can cut off excessive material on ceilings, skirting boards, doors, windows, electric sockets, etc. using a utility knife or a pair of scissors. To create precise outer corners, e.g., for windows and door niches or room corners we recommend using the Wallpaper Corner Profile 3093 or 3095, rounded, or the Profiled Rail 3094. If wallpaper corner profiles are not used, the nonwoven should be separated at the outer corners, especially if the corners are not perfectly vertical. The nonwoven can only be folded around the corner on absolutely vertical corners. Fold approx. 10 cm of the nonwoven around the outer corner to establish a seamless join to the subsequent strip.</p>

Gluing	The untextured CreaGlas Nonwoven VG can also be used in the double-cut procedure. To do so, allow the strips to overlap during gluing and separate with the Cup Cutter, Mini 1443 without excessive force and without damaging the substrate. When gluing to sensitive substrates, e.g. plasterboard, for the double-cut process, use an underlayer or the Wallpaper Draw Cut Knife 1310. Immediately and carefully remove any adhesive residue in the joint area with a damp sponge or cloth.
Filling – optional	For surfaces with a special surface appearance or for particularly high demands of the surface, e.g. for metallic effect coatings, silk gloss or glossy top coatings or to avoid even the smallest seam markings, we recommend filling the entire surface of the nonwoven wall coverings with Briplast Mineral Hand Applying Light Filler EFL 1886 diluted by approx. 5%. Prime the filled surfaces with Lacryl Deep Penetrating Primer ELF 595 before applying an additional coating.
Intermediate coat	In the case of normal exposure and a white or slightly tinted coating with CreaGlas Fabric Finish ELF matt or silk-matt, one layer is sufficient in many cases. Depending on the color shade, gloss level, exposure of the surface, and the required surface finish, an intermediate coat may be necessary. If disinfectant resistance or decontaminability of the surface is required, in situations with grazing light, as well as in the case of silk-glossy or glossy coating, at least two coats are required.
Coating	Once the glue is dry, CreaGlas Fabric Profession must always be coated. Always apply the coating to the entire surface wet on wet, even in the area being trimmed. Depending on the exposure of the surface, a second intermediate coat may be required. Depending on the surface exposure and necessary system properties, the system is build up with the selected coating system.
Application temperature	Do not apply if air or object temperature is below +10°C. Best applied at +18°C to +25°C air and object temperature with 30 to 60% relative humidity.

Drying (+20°C, 65% relative humidity)

Ensure uniform drying at room temperature. Avoid too rapid drying due to drafts or excessive heat – and also avoid too slow drying due to a room temperature below +10 °C. Can usually be coated after drying overnight. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

The rolls should be stored upright and in a dry place.

Substrate preparation

The substrate must be smooth, solid, dry, clean, load-bearing and free from efflorescence, sintered layers, separating agents, corrosion-promoting components or other intermediate layers affecting adhesion. Check the suitability, load-bearing capacity and adhesive properties of existing coatings. Remove defective and unsuitable coatings completely and dispose of them in accordance with the applicable regulations. Thoroughly wash off distemper. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand well and clean. Remove any wall coverings including paste residue and paper waste. Treat replastered areas with a fluorine primer. Fill rough substrates, damage, etc., with e.g. Briplast Mineral Hand Applying Light Filler ELF 1886. Apply a prime and/or intermediate coat to the substrate as required. Please also refer to BFS Leaflets No. 7, 10 and 16. Observe VOB Part C, DIN 18363, Para. 3 as well as 18366, Para. 3.

Glue layer and coating of CreaGlas Nonwoven VG

Substrates	Prime coat	Filling and priming	Gluing	Coating ^{3) 4)}
Gypsum plasterboard, gypsum plasterboard wall panels, gypsum fiber board – filled	optional ²⁾ Lacryl Deep Penetrating Primer ELF 595	1–2x with e.g. Briplast Mineral Hand Applying Light Filler ELF 1886 and priming with Lacryl Deep Penetrating Primer ELF 595 or Vitafill 9001 and priming with Vitabase 9002 – preservative-free	With CreaGlas Fabric Adhesive ELF 377, CreaGlas Roll-on Adhesive ELF 378, Vitaglue 9003 or Reinforcement Adhesive 480	See table “Preprimed CreaGlas Nonwoven VG coating build-up” below
Gypsum/Gypsum lime mortar ¹⁾				
Normally absorbent substrates, e.g. interior plaster (lime-/mortar ¹⁾), concrete stone masonry, plan stone masonry, matt emulsion paint coats				
Smooth, non-absorbent and glossy substrates, e.g. intact, gloss emulsion paint coats, oil and enamel paint	Adhesion Primer ELF 3720			
Non-ferrous metals or plastics	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864			

¹⁾ Minimum compressive strength $\geq 2.0 \text{ N/mm}^2$ (Compressive strength class CS II, CS III, CS IV as well as B1–B7).

²⁾ Where necessary, if there is no further filling on the surface.

³⁾ For creating an even surface appearance, particularly in critically illuminated areas, coats must be rolled wet on wet to achieve a fine and evenly textured surface.

⁴⁾ For a preservative-free system build-up in connection with Vitaglue 9003 to coat Vitashine 9006, Vitasense 9005 or Vitalux 9000.

CreaGlas Nonwoven VG coating build-up

System build-up*)	Adhesive	Intermediate coat	Top coat
1	CreaGlas Fabric Adhesive ELF 377, Vitaglu 9003 or CreaGlas Roll-on Adhesive ELF 378	If necessary, CreaGlas Fabric Finish ELF 3476, Vitalux 9000 or Superlux ELF 3000 ¹⁾	CreaGlas Fabric Finish ELF 3476, Vitalux 9000 or Superlux ELF 3000
2		If necessary, CreaGlas Fabric Finish ELF 3499, Vitashine 9006 or Vitasense 9005 ¹⁾	CreaGlas Fabric Finish ELF 3499, Vitashine 9006 or Vitasense 9005
3		Sensocryl ELF 266, 267, 268 or 269	Sensocryl ELF 266, 267, 268 or 269
4		CreaGlas Fabric Finish ELF 3476 or 3499	2x CreaGlas 2K-PU Finish 3471
		CreaGlas 2K-PU Finish 3471	1–2x CreaGlas 2K-PU Finish 3471 ²⁾
5	Reinforcement Adhesive 480	CreaGlas 2K-PU Finish 3471	

*) For details on the properties of the different system build-ups, refer to the tables below. In the case of direct spray water and persistent moisture impact, the use of glass fiber fabric systems is generally not recommended.

¹⁾ Depending on the color shade, stress on the surface and the site conditions, an intermediate coat may be necessary.

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

Properties of the CreaGlas system build-up

Properties	System build-up				
	1	2	3	4	5
Diffusible	•	•	•		
Alcohol-resistant				•	•
Moisture-stable ¹⁾			•	•	•
High mechanical resistance				•	•
Wet-abrasion resistance Class 2 in accordance with EN 13300	•				
Wet-abrasion resistance Class 1 in accordance with EN 13300		•	•	•	•
Low-emission, solvent- and plasticizer-free and preservative-free	• ²⁾	• ²⁾			
Low-emission, solvent- and plasticizer-free			•		
Flame-retardant B1 ³⁾	• ²⁾	• ²⁾	•	•	
Non-combustible A2 ³⁾	• ²⁾	• ²⁾			
Disinfectant resistance ³⁾	• ²⁾	• ²⁾	•	•	•
Decontaminable ³⁾				•	•

¹⁾ In the case of direct spray water and persistent moisture impact, the use of CreaGlas systems is generally not recommended.

²⁾ Depending on the selected adhesive and the coating.

³⁾ In accordance with the test certificate, refer to the “Certified system build-up” notes.

Notes

Complaints about nonwovens	If you have any complaints, send the batch number indicated on the cardboard packaging as well as the control number of the individual role and corresponding material samples. Complaints cannot be accepted if more than 10 lengths of wallpaper have already been applied.
Adhesive application and distribution	When applying glue, ensure the right amount is applied, and that it is applied evenly. Applying too much adhesive may cause residue and associated unsightly defects to the surface appearance as well as seam marks caused by exposed seams caused during drying.
Avoid bubble formation	When glued to porous substrates, e.g. concrete surfaces, under unfavorable drying conditions, wall coverings may not stick to the wall properly. Any such areas that do not stick may result in the formation of bubbles, especially on ceiling surfaces or under certain lighting conditions, e.g. grazing light. This can be avoided by full-surface pore-free filling using Briplast Mineral Hand Applying Light Filler ELF 1886, for example. To do so, follow the instructions in the respective filler data sheets.
Mounting wallboards	Gypsum plasterboards, chipboards, blockboards and fiber cement boards must be attached without vibration, and the edges and joints must be correctly filled and leveled.
Structural cracks	Structural cracks cannot be permanently bridged by gluing CreaGlas Nonwoven.
Certified system build-up	The respective test certificate must be observed for a certified system build-up. The current version is available on our website.
Further information	Follow the instructions in 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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