

## Nonwoven Adhesive ELF 375

Low-emission, solvent and plasticizer-free, special adhesive ready for application for wall coverings with smooth back, for interior use



### Field of application

For gluing nonwoven cellulose- or glass-based wall coverings in the interior. Can also be used for gluing wall coverings with a smooth back such as, e.g., structured fleece wallpaper (Relief 3490). On load-bearing substrates, e.g., filled interior plaster (depending on the compressive strength), concrete, gypsum plasterboard, intact emulsion paint coats.

### Properties

- ELF = low emission, solvent and plasticizer-free
- Ready for use in wallpaper pasting machines
- With good initial adhesion and long open time
- Good spreadability when used in roller and spray application
- Dries transparently
- Diffusible
- For interior use

### Material description

<b>Color shade</b>	Dries transparently
<b>Degree of gloss</b>	Matt
<b>Base material</b>	Polymer emulsion
<b>Density</b>	Approx. 1.02 g/cm <sup>3</sup>
<b>Packaging</b>	18 kg

<b>Thinning</b>	Normally not necessary because it is ready for use. Dilute by up to maximum of 5% with water, as required.
<b>Tinting</b>	Do not tint.
<b>Compatibility</b>	Do not mix with other types of materials.
<b>Application</b>	<p>Roller and spray application</p> <p>For gluing nonwoven wall coverings apply an adequate quantity of Nonwoven Adhesive ELF 375 to an area as wide as 2–3 wallpaper strips immediately and uniformly to the substrate using a short-staple lambskin roller or the airless spraying device. As part of an airless application procedure, we recommend re-rolling the adhesive with the lambskin roller to ensure a uniform distribution and quantity of the adhesive. Lay the cut-to-size wall covering strips into the wet adhesive and press out any bubbles with the Fabric Smoother 1323. Avoid adhesive contamination on the surface. Carefully remove any contamination with a damp sponge.</p> <p>Application using a wallpaper pasting machines</p> <p>Nonwoven Adhesive ELF 375 is ready for use in wallpaper pasting machines. When pulling wall coverings through the machine, ensure that the adhesive is applied evenly without any flaws. Directly apply the wall covering to which glue has been applied in the wallpaper pasting machine. Longer soaking periods make the application more difficult and should be avoided. Follow the instructions of the wallpaper manufacturer for all other wall coverings. The further application procedure is performed as described above.</p> <p>Follow the instructions on the data sheets of the following products for information on gluing (depending on the wall covering): Xtra Nonwoven 1725, Rapid Nonwoven 1525, Light Nonwoven 130 and Light Nonwoven Pro 130, Relief 3490 and CreaGlas Fabric VG cg21. The property of being "completely strippable when dry" can only be achieved with textured nonwoven wallpaper by gluing with paste.</p>
<b>Consumption</b>	<p>150–160 g/m<sup>2</sup> depending on the wall covering.</p> <p>For gluing nonwoven wall coverings, e.g. CreaGlas Nonwoven VG 1000 and 1001, Xtra Nonwoven 1725, Rapid Nonwoven 1525, Light Nonwoven 130 and Light Nonwoven Pro 130, approx. 150 g/m<sup>2</sup>.</p> <p>For gluing wall coverings with a smooth backing such as rough nonwoven, textured nonwoven wallpaper and Relief 3490, approx. 160 g/m<sup>2</sup>.</p> <p>Determine the exact consumption by means of a test application on the object to be coated.</p>
<b>Application temperature</b>	Do not apply if air or object temperature is below +8°C. Ideal application at +15 °C to +25 °C air and object temperature.
<b>Tool cleaning</b>	Clean tools immediately after use with water.

### Spray data

Spray system	Nozzle	Spray angle	Pressure	Thinning
Airless	0.019–0.021 Inch	40°–50°	180–200 bar	Generally unthinned

<sup>1)</sup> With suitable, powerful airless devices, such as Wagner Airless Emulsion Spray Pack SF 33 Plus 3348, Brillux ProSpray 39 Select 3494 or Wagner HeavyCoat Spray Pack HC 950 E SSP 3482.

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

After the glue coating has dried, coat the nonwoven wall coverings.

## Storage

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

## Declaration

**Note** Do not inhale spray mist.  
Contains preservatives.

**Product code** D1  
Comply with the specifications in the current Safety Data Sheet.

## Coating build-up

**Substrate preparation** The substrate must be level, 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, loadbearing capacity and adhesive properties. Remove defective and unsuitable coatings thoroughly and dispose of them in accordance with the applicable regulations. Rinse off reversible, water-sensitive coats (e.g. distemper). Wash down intact coats of oil paints and varnishes with an alkaline solution, sand down well and clean. Remove any wall coverings, including any paste or wall-glue residue. Treat replastered areas with a fluorine primer. Rough surface, damaged areas should be levelled out with e.g. Briplast Mineral Hand Applying Light Filler ELF 1886 before applying the paint. Apply a prime and/or intermediate coat to the substrate as required. Also see VOB Part C, DIN 18363, Section 3.

**Coating build-up**

Substrates	Primer	Filling and priming <sup>3)</sup>	Gluing <sup>4)</sup>	Coating <sup>5)</sup>
Gypsum plasterboard, gypsum plasterboard wall panels, gypsum fiber board, filled	Optional <sup>2)</sup> Lacryl Deep Penetrating Primer ELF 595 or Lacryl Hydro-Gel ELF 695	If necessary, 1–2x with products, such as Briplast Mineral Hand Applying Light Filler ELF 1886 and with Lacryl Deep Penetrating Primer ELF 595	nonwoven wall coverings, e. g. CreaGlas Nonwoven VG 1000 and 1001, Xtra Nonwoven 1725, Rapid Nonwoven 1525, Light Nonwoven 130 as well as wall coverings with smooth backing, e.g. structured nonwoven wallpaper (Relief 3490), glued with Nonwoven Adhesive ELF 375	With emulsion paints depending on the degree of exposure, requirements and the gloss grade. For Nonwoven wall coverings with a minimum wet abrasion resistance of R-Class 2 in accordance with EN 13300
Gypsum plaster <sup>1)</sup>				
Normally absorbent substrates, e.g. interior plaster (lime/cement mortar <sup>1)</sup> ), concrete, plan stone masonry, matt emulsion color coating				
Smooth, non-absorbent and glossy substrates, e.g. intact, gloss emulsion paint coats, oil and enamel paint	Adhesion Primer ELF 3720			
NE metals or plastics	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864			

- <sup>1)</sup> Minimum compressive strength > 2.0 N/mm<sup>2</sup> (Compressive strength class CS II, CS III, CS IV as well as B1–B7).
- <sup>2)</sup> Necessary, if there is no further filling on the surface.
- <sup>3)</sup> The requirement and the scope of a filling is dependent on the expectations on the final surface finish. For smooth, uniform surfaces the substrate should usually at minimum meet surface quality category Q3 for gypsum plaster or gypsum plasterboard substrates. All other substrates must be prepared on the basis of this quality category.
- <sup>4)</sup> We recommend using water-diluted CreaGlas Fabric Adhesive ELF 377 for gluing CreaGlas Nonwoven VG on surfaces with higher requirements for wet adhesiveness, such as on ceiling surfaces.
- <sup>5)</sup> For creating a uniform surface appearance, particularly in critically illuminated areas, coats must consistently be applied wet on wet and distribute and smooth uniformly.



## Notes

### **Gypsum fillers on gypsum plasterboard**

The gypsum fillers recommended by gypsum plasterboard manufacturers can be particularly susceptible to moisture, which can result in swelling, bubble formation and flaking (see also Data Sheet 2 "Filling of gypsum plasterboards, surface qualities" Trade Association of the German Gypsum Plasterboard and Wallboard Industry). It is therefore important to ensure adequate ventilation and appropriate temperatures for rapid drying.

### **Adhesive application and distribution**

Make sure you apply the correct quantity of adhesive and uniformly distribute it during application. Applying too much adhesive can result in adhesive deposits, causing disruptions in the surface appearance as well as seam markings due to open seams that arise in the course of drying.

### **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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