

## Glemalux ELF 1000

Low-emission, solvent and plasticizer free, dull matt white or colored, highly covering wet abrasion resistance class 1, for interior use



Farbsystem

### Field of application

For high quality ceiling and wall paint for interior use, e.g. on interior plaster, concrete, woodchip paper, plasterboard, fiber cement and sand-lime brickwork. This material is especially suitable for renovating coatings, due to the excellent covering properties generally only one coat is necessary. Further more the long workable surface enables a uniform surface with no overlapping so it is very suitable for large areas.

### Properties

- ELF = low emission, solvent and plasticizer-free
- Water-vapor-permeable
- As is the case for interior silicate paint, it corresponds to class I in accordance with DIN EN ISO 7783
- Free of fogging-active substances
- Outstanding hiding power
- Outstanding surface results
- Long application time
- "schwerentflammbar" B1 (flame-retardant) in accordance with DIN 4102 with system build-up featuring Relief 3490 and Rapid Nonwoven 1525 according to test certificate
- Very easy to apply

### Material description

<b>Standard colors</b>	0095 white. Light and medium color shades can be mixed using the Brillux Color System. Additional color shades available upon request.
<b>Base material</b>	Acrylate-copolymer
<b>Density</b>	Approx. 1.5 g/cm <sup>3</sup>
<b>Classification as per EN 13300</b>	<ul style="list-style-type: none"><li>- Wet abrasion resistance Class 1</li><li>- Contrast ratio: Class 1 at 8 m<sup>2</sup>/l</li><li>- Gloss: dull matt</li><li>- Maximum grain size: fine</li></ul>

## Material description

**Reaction to fire** A2 – s1, d0 in accordance with DIN EN 13501-1 ("nichtbrennbar", non-combustible)  
With system build-up featuring Briplast filler material according to classification report no. 230010838-3.

**Packaging** 0095 white: 5 l, 10 l, 15 l  
Color system: 2.5 l, 10 l, 15 l

## Use

**Thinning** Dilute with water, if necessary, especially for applications with minimal texture on smooth substrates, such as nonwovens.

**Tinting** With Full and Tinting Paint 951.

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

**Application** Glemalux ELF 1000 can be applied by brush, roller and airless spraying. Obtain perfect results at high efficiency by low-overspray airless spraying. For more information, refer to information leaflet 2ns1.

**Consumption** Approx. 120–140 ml/m<sup>2</sup> per layer. Determine exact consumption by means of a test application on the object to be coated.

**Application temperature** Do not apply if air or object temperature is below +5°C.

**Tool cleaning** Clean tools immediately after use with water.

## Spray data

Method	Nozzle	Spraying angle	Pressure	Thinning
Airless	0.021 to 0.027 Inch	40° to 80°	150 bar	approx. 5 %

## Spray data for low-overspray interior coatings

Method	Nozzle	Spraying angle	Pressure		Thinning
			Banking-up pressure	Spray pressure	
Low-Overspray Airless Spraying	0.025 Inch	40°	approx. 135 bar	approx. 100 bar	undiluted, up to 5 % if necessary

<sup>1)</sup> E.g. with Wagner SuperFinish 31. For more information and order information about accessories, refer to information leaflet "Low-Overspray Airless Spraying 2ns1".

## Drying (+20°C, 65% rel. humid.)

Surface dry and recoatable after about 4–6 hours.  
Allow longer drying times at a lower temperature and/or higher air humidity.

## Storage

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

## Declaration

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

**Product-Code** BSW20.  
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 non-bearing and unsuitable coats and dispose of them as per 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, if the subsequent paint coat is to be tinted, prime the entire surface. 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
Interior plaster (depending on the compressive strength <sup>1)</sup> ), concrete	If necessary, Lacryl Deep Penetrating Primer ELF 595, Deep Penetrating Primer 545 or Adhesion Primer ELF 3720, Wall Primer ELF 3729 or Coarse Wall Primer ELF 3728	Glemalux ELF 1000	Glemalux ELF 1000
Gypsum plaster <sup>1)</sup> , gypsum plasterboard <sup>2)</sup> , gypsum wallboards	Depending on the individual requirements With Lacryl Deep Penetrating Primer ELF 595, Lacryl Hydro-Gel ELF 695 or Wall Primer ELF 3729		
aerated concrete, interior	Priming Concentrate ELF 938, thinned 1:3 with water		
wall coverings e.g. woodchip wallpaper, Rapid Nonwoven, embossed wallpaper			

<sup>1)</sup> Minimum compressive strength > 2.0 N/mm<sup>2</sup> (Compressive strength category CS II, CS III, CS IV as well as B1–B7).

<sup>2)</sup> Prime soft and highly absorbent filler zones and substrates with Lacryl Deep Penetrating Primer ELF 595 as part of the substrate pre-treatment.

## Renovation coat

Substrates	Prime coat	Intermediate coat	Top coat
normal absorbent surface, e.g. matt emulsion paint	If necessary, Lacryl Deep Penetrating Primer ELF 595 or Adhesion Primer ELF 3720, Wall Primer ELF 3729 or Coarse Wall Primer ELF 3728	Depending on requirements Glemalux ELF 1000	Glemalux ELF 1000
non- or not very absorbent surfaces e. g. oil and varnish coats, glossy emulsion paint coats	Adhesion Primer ELF 3720		
intact, two-component coating, e.g. CreaGlas 2C PU Finish	2K-Aqua Epoxy Primer 2373		

## 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.

**Discolorations of gypsum plasterboard**

An additional sealing coating must be applied if there is a risk of discolorations penetrating through the untreated gypsum plasterboard. Use Aqualoma ELF 202, Isolating Primer 924 or CreaGlas 2C PU Finish 3471 depending on the object situation. For an accurate assessment, sample coatings of various panel widths, including the joints and filled areas, have proven to be useful.

**Smoothing 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.

**Priming gypsum plaster**

The stabilization on highly absorbent gypsum plaster is not always sufficient. We recommend testing the adhesion of the complete coating build-up with an adhesive tape test (e.g. Tesa Precision Masking Tape, Gold 4334) to ensure a reliable assessment. If necessary, prime with deep penetrating primer.

**Reducing the surface sensitivity of intense color shades**

To increase the surface durability and decrease the writing effect on matt coats of intensive color shades, we recommend applying an intermediate and topcoat with Vetrolux ELF 3100. More information about properties and application can be found in the Data Sheet Vetrolux ELF 3100.

**Better surface cleaning properties**

For creating surfaces with high suitability for cleaning (e.g. multiple, partial dirt removal with damp sponge) we recommend using interior emulsion paint with wet abrasion resistance class 1 and medium gloss or glossy surface, e.g. Latex Paint ELF 992, Lacryl-PU Silk Matt Enamel 270 or Sensocryl ELF 267–269 or also CreaGlas 2K PUR Finish 3471.

## Notes

<b>Compatibility with sealing compounds</b>	When coating sealants, such as acrylic sealing compounds, cracks may arise in the coating material due to the higher elasticity. Additionally, discoloring of the coating may occur. Due to the great variety of coating systems which are available on the market, we recommend test applications to assess adhesion properties and application results.
<b>Repairs</b>	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.
<b>Use in shipbuilding</b>	For use in shipbuilding, the specifications of the EC-type examination certificate (module B) are to be taken into account. Furthermore, a copy of the declaration of conformity (DoC) must be provided for the ship's documentation. Module B as well as the DoC for the current production year can be accessed online in the "Shipbuilding declaration of conformity" file.
<b>Applying thin layers on smooth substrates</b>	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.
<b>Projection surfaces</b>	Due to the very white and matt surfaces, also well suited as a coating on projection surfaces (without determination of the gain factor).
<b>Further information</b>	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.

Brillux  
Weseler Straße 401  
48163 Münster  
GERMANY  
Phone +49 251 7188-0  
Fax +49 251 7188-105  
info@brillux.de  
www.brillux.com