Data Sheet

Dolomit ELF 900

low emission, solvent and plasticizer-free, dull matt, wet abrasion resistance Class 3, very white, easy to apply, for interior use

Field of application

For interior ceiling and wall coatings, on load-bearing substrates, e.g. interior plaster, concrete, plasterboard, fiber cement and sand-lime brickwork. Because of its good flowing properties it is especially suitable for first and renovating coatings on structured surfaces, e.g. woodchip paper. The long surface workability enables overlapping free and uniform surfaces to be obtained. In addition can also be used in the Brillux creative techniques.

Properties

- ELF = low emission, solvent and plasticizer-free
- tested according to requirements of AgBB evaluation schemes
- 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
- Very good covering capacity
- Very good flow properties
- Long application time
- Easy to apply

Material description

Standard color
0095 white.
A large number of other colors can be obtained from the Brillux color system (paint mixing equipment).

Base material
Acrylate-copolymer

Density
Approx. 1.47 g/cm³

Classification according to EN 13300
- Wet abrasion resistance: Class 3
- Contrast ratio: Class 2 at 8 m²/l
- Gloss: dull matt
- max. grain size: fine

Brillux ..more than paint

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:1 l, 2.5 l, 5 l, 10 l, 15 l
Color system (paint mixing equipment): 1 l, 2.5 l, 5 l, 10 l, 15 l

Use

Thinning
If necessary, slightly with water.

Tinting
With Full and Tinting Paint 951.

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

Application
Dolomit ELF 900 can be applied by brush, roller and 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/m² per layer.
Determine exact consumption by way 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°	approx. 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 [1)]	0.025 Inch	40°	approx. 135 bar	approx. 100 bar	undiluted, up to 5 % if necessary

[1)] 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 % relative humidity)

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

Storage

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

Declaration

Notes
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

Substrate	Prime coat	Intermediate coat	Top coat
Interior plaster (depending on the compressive strength [1]), 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	Dolomit ELF 900	Dolomit ELF 900
Gypsum plaster, gypsum plasterboards, gypsum wallboards	Depending on the individual requirements With Lacryl Deep Penetrating Primer ELF 595, Lacryl Hydro-Gel ELF 695 or Wall Primer ELF 3729		
porous concrete, interior	Priming Concentrate ELF 938, thinned 1:3 with water		
wall coverings e.g. woodchip wallpaper, Rapid Nonwoven, embossed wallpaper			

[1] Minimum compressive strength > 2.0 N/mm² (compressive strength categories CS II, CS III, CS IV)

Coating build-up

Renovation coat

Substrate	Prime coat	Intermediate coat	Top coat
normal absorbent surfaces, 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 Dolomit ELF 900	Dolomit ELF 900
non or not very absorbent surfaces, e. g. oil and varnish coatings, glossy emulsion paint coatings	Adhesion Primer ELF 3720		
intact, 2-component coating, e.g. CreaGlas 2C PU Finish	2K-Aqua Epoxy Primer 2373		

Notes

Coating that covers hairline cracks on drywall
Hairline crack filling coating on gypsum plasterboard

A coating that covers hairline cracks on gypsum plaster boards, gypsum fiberboard, 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.

Discoloring in the case of gypsum plasterboard

If there is a risk of discolorations penetrating through untreated gypsum plasterboard, an additional blocking coating must be applied. Depending on the situation at the specific site, use Aqualoma ELF 202, Isolating Primer 924 or CreaGlas 2C PU Finish 3471 for this. Sample coatings over the width of a number of boards including joints and filled points have been shown to be appropriate for precise evaluation.

Smoothening rough surfaces

If required, level rough surfaces before building up the coat, e.g. using Briplast Mineral Hand Applying Light Filler ELF 1886.

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.

Use in the case of glancing light impact

On surfaces exposed to glancing light impact, we recommend using Glemalux ELF 1000 or Superlux ELF 3000.

Designs with brilliant or intense color shades

Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low hiding power due to the nature of their pigments. When using critical color shades in these color ranges, we recommend applying a full-covering prime coat in the corresponding base color (Basecode).
In addition to the standard coating build-up, additional coats may be required.

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.

Notes

Increased 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 PUR2C PU Finish 3471.

Compatibility with sealing compounds

When paintable sealing compounds, e.g. acrylic sealing compounds are coated, cracks may form in the coating material due to the higher elasticity of the acrylic sealing compound. 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.

Repairs

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

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.

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