Data Sheet

Superlux ELF 3000

emission, solvent- and plasticizer-free
dull matt, wet abrasion resistance class 2,
white, antique white or colored, for interior use

Field of application

For high-quality, lap-mark-free interior ceiling and wall coatings on substrates, e.g. interior plaster, concrete, gypsum plasterboard, fiber cement, sand-lime brickwork, Relief 3490, Rapid Nonwoven 1525, CreaGlas Fabric, woodchip wallpaper. Because of the long surface workability, especially suitable for larger and inter-connecting surfaces with incidence of grazing light.

Properties

- ELF = low-emission, solvent- and plasticizer-free
- tested according to requirements of AgBB evaluation schemes
- highly water-vapor-permeable
- Corresponds to Class 1, in accordance with DIN EN ISO 7783, as with interior silicate paint
- free of fogging-active substances
- good hiding power
- long application time
- excellent surface appearance
- for surfaces with critical light conditions, such as grazing light
- very easy to apply

Material description

Standard colors
0095 white and 0096 antique white
A number of additional color shades can be mixed with the Brillux Color System.

Base material
Polyvinylacetat-Copolymer

Density
Approx. 1,43 g/cm³

Classification according to EN 13300
- Wet abrasion resistance: Class 2
- Contrast ratio (white): Class 1 at 7 m²/l
- Contrast ratio (antique white): Class 1 at 8 m²/l
- Gloss: dull matt
- Maximum 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 with Briplast filler material according to classification report no. 230010838-3.

Packaging
0095 white: 2.5 l, 10 l, 15 l
0096 antique white: 15 l
Color system: 2.5 l, 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
Superlux ELF 3000 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. 130 to 150 ml/m² 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°	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	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 a lower temperature and/or higher air humidity.

Storage

Store in a cool and frost-free place. Reseal 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	Superlux ELF 3000	Superlux ELF 3000
Gypsum plaster [1], gypsum plasterboards [2], 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 and B1–B7)
[2] Prime soft and highly absorbent filler zones and substrates with Lacryl Deep Penetrating Primer ELF 595 as part of the substrate pre-treatment.

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 the situation on site and the individual requirements Superlux ELF 3000	Superlux ELF 3000
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

Hairline-crack-bridging coating on plasterboard

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 situation on site. For an accurate assessment, sample coatings of various panel widths, including the joints and filled areas, have proven to be useful.

Smoothening 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.

Implementation in brilliant and intense color shades

Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow green spectrum have a lower hiding power as a result of the pigment. For critical color shades, we recommend applying a full-covering base coat in these areas in the corresponding base color shade (Basecode). In addition to the standard coating buildup, additional coats may be required.

Reducing the surface sensitivity of intense color shades

To increase the surface durabil-ity and decrease the writing ef-fect on matt coats of intensive color shades, we recommend applying an intermediate and topcoat with Vetrolux ELF 3100. More information about proper-ties 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 2C PU Finish 3471.

Compatibility with sealant

When coating sealants, e.g. acrylic sealing compounds, cracks may arise in the coating material due to the sealant's higher elasticity. Moreover, discoloration may also occur in the coating. Due to the wide range of sealing systems available on the market, individual testing is required in each case to assess the adhesion and the application results.

Repairs

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.

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 specifications

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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