Data Sheet

Vetrolux ELF 3100

Low-emission, solvent- and plasticizer-free, matt, colored, durable surface with good cleaning properties, class 1 wet abrasion resistance, for interior use

emissionsarm • weichmacherfrei • lösemittelfrei • klassifiziert nach EN 13300

Farbsystem Basecode

Field of Application

For high quality, edge-free wall coatings on exposed interior surfaces with a matt, colored design. On substrates like . interior plaster compressive strength category CS II - CS IV and B1-B7), concrete, gypsum plaster board, fiber cement, chalk sandstone brickwork, Relief 3490, Rapid Nonwoven 1525, CreaGlas Fabric and Nonwoven, woodchip wallpaper, etc. Especially when colored, matt interior wall coatings with a cleanable surface are required.

Properties

- ELF = low emission, solvent- and plasticizer-free
- Functional filler materials reduce the “writing effect”
- Durable
- Free of fogging-active substances
- Highly water-vapor-permeable
- Good hiding power
- Especially long application time
- Very easy to apply
- Easy to clean - marking tracks and soiling can be removed with a dry or damp Microfiber Cloth 3111 with plain water

Material description

Colors
In accordance with the Scala color chart. Many other colors can be mixed using the Brillux Color System.

Base material
Acrylate copolymer dispersion

Density
Approx. 1.0–1.2 g/cm³, depending on the color

Classification according to EN 13300
- Wet abrasion resistance: Class 1
- Contrast ratio: Class 1 - 2 at 7 m²/l, depending on the color
- Gloss: Matt
  (A shine effect may occur depending on the viewing angle and the incidence of light.)
- Maximum grain size: Medium

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
2.5 l, 10 l

Use

Thinning
Do not thin.

Tinting
Do not tint.

Compatibility
Do not mix with other types of materials.

Application
Apply Vetrolux ELF 3100 with a paintbrush or paint roller.
Using the Polyamide Paint Roller 1314, evenly apply the material in thin layers, wet in wet, and roll down in one direction. We recommend using the roller application method for the whole application, including trimming. Before starting thoroughly mask off the areas to be coated.

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.

Drying (+20°C, 65% relative humidity

Surface dry and recoatable after about 4–6 hours.
Fully loadable after approx. 5 days.
Allow longer drying times at a lower temperature and/or higher air humidity.

Storage

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

Declaration

Note
Contains preservatives.

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.

Coating build-up

First coat

Substrate	Prime coat	Intermediate coat [3]	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	Vetrolux ELF 3100	Vetrolux ELF 3100
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		
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.

[3] Depending on the color selection, further coats may be required in addition to the standard coating build-up. Observe the note "Design with very light, brilliant and/or intense colors" in this context.

Renovation coat

Substrate	Priming coat	Intermediate coat [1]	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 Vetrolux ELF 3100	Vetrolux ELF 3100
non or not very absorbent surfaces, e. g. oil and varnish coatings, glossy emulsion paint coats	Adhesion Primer ELF 3720		
intact, two-component coating, e.g. CreaGlas 2C PU Finish	2K-Aqua Epoxy Primer 2373		

[1] Depending on the color selection, further coats may be required in addition to the standard coating build-up. Observe the note "Design with very light, brilliant and/or intense colors" in this context.

Notes

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.
Designs with very light, brilliant and/or intense colors	We recommend applying an additional prime coat using Superlux ELF 3000 or Dolomit ELF 900 in the desired color for very light, brilliant colors. In the case of brilliant colors, particular measures may be required, e.g. additional intermediate coats. Brilliant, pure intensive color shades, e.g. in the yellow, orange, red, magenta and yellow-green range, have a lower covering capacity. In the case of critical shades in these color ranges, we recommend applying a full-covering base coat in the corresponding base color ("Basecode"). In addition to the standard coating build-up, further coats may be required. To evaluate the need create sample surfaces on site.
Even higher cleanability of the surface	We recommend using interior dispersion paints with class 1 wet abrasion resistance and a medium gloss or glossy surface, e.g. Latex Paint ELF 992, or Lacryl-PU Silk Matt Enamel 270 and/or Lacryl PU Gloss Paint 275 to achieve a surface with an even higher cleanability (e.g. repeated, partial dirt removal using a moist sponge).
Compatibility with sealing compounds	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.
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.

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