

EcoFinish ELF 947

Low-emission, solvent- and plasticizer-free, dull matt,
Wet abrasion resistance Class 2, white, for interior use



Field of application

Für For very cost-effective ceiling and wall coatings in public buildings. Also for load-bearing substrates, e.g., interior plaster, concrete, woodchip wallpaper, gypsum plasterboard, fiber cement, sand-lime brickwork, etc.

Properties

- ELF = low emission, solvent- and plasticizer-free
- Corresponds to requirements set out by "Ausschuß zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Free of fogging-active substances
- Good hiding power
- Water-vapor-permeable
- As is the case for interior silicate paint, it corresponds to class I in accordance with DIN EN ISO 7783
- Easy to apply

Material description

Standard color shade	0095 white Additional color shades available on request
Base material	Styrene acrylate copolymer
Density	Approx. 1.53 g/m ³
Classified in accordance with EN 13300	<ul style="list-style-type: none">- Wet abrasion resistance: Category 2- contrast ratio: Category 2 at 8 m²/l- Gloss: dull matt- Maximum grain size: fine
Reaction to fire	A2 – s1, d0 in accordance with DIN EN 13501-1 ("Nicht brenbar" = non-combustible) With system build-up featuring Briplast filler material according to classification report no. 230010838-3.
Packaging	15 l

Use

Thinning If necessary, thin slightly with water.

Tinting Full Color and Tinting Paint 951.

Compatibility Can only be mixed with similar materials and those stipulated in this data sheet.

Application Ecofinish ELF 947 can be applied using brush, roller, and spray application.

Consumption Approx. 130–150 ml/m² for each coat.
Determine exact consumption by means of a test application on the object to be coated.

Application temperature Do not apply at air and object temperature below +5°C.

Tool cleaning Clean tools immediately after use with water.

Spray data

Spray system	Nozzle	Spraying angle	Pressure	Thinning
Airless	0.021–0.027 Inch	40°–80°	150 bar	approx. 5%

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

Surface dry and ready for coating after 4–6 hours.
Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

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

Declaration

Notes Contains preservatives.
Do not inhale spray mist.

Product code BSL20
Comply with the specifications in the current Safety Data Sheet.

Substrate preparation

The substrate must be solid, dry, clean, load-bearing, and free from efflorescences, sintered layers, separating agents, corrosive components, or other intermediate layers affecting adhesion. Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Thoroughly remove defective and unsuitable coatings, and dispose of them in accordance with the applicable regulations. Thoroughly wash off limepaint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand well, and clean. Completely remove wall coverings, including wallpaper glue residue. Treat replastered areas with a fluorine primer correctly, apply to the entire surface of color coats. Apply a prime and/or intermediate coat to the substrate as required. See also VOB Part C, DIN 18363, Section 3.

Initial coatings

Substrates	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	EcoFinish ELF 947	EcoFinish ELF 947
Gypsum plaster ¹⁾ , gypsum plasterboard ²⁾ , gypsum plasterboard panels	Depending on the individual requirements With Lacryl Deep Penetrating Primer ELF 595, Lacryl Hydro-Gel ELF 695 or Wall Primer ELF 3729		
Aerated concrete, in interior areas	Priming Concentrate ELF 938, 1:3 water-diluted		
Wall coverings, e.g. woodchip wallpaper, Rapid Non Woven, embossed wallpaper			

¹⁾ Minimum compressive strength > 2.0 N/mm² (Compressive strength class CS II, CS III, CS IV as well as 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.

Renovation coatings

Substrates	Prime coat	Intermediate coat	Top coat
Normally absorbent substrates, e.g. matt emulsion paint coats	If necessary, Lacryl Deep Penetrating Primer ELF 595 or Adhesion Primer ELF 3720, Wall Primer ELF 3729 or Coarse Wall Primer ELF 3728	je nach Objektsituation und Erfordernis EcoFinish ELF 947	EcoFinish ELF 947
Non-absorbent or slightly absorbent substrates, e.g. oil and enamel paint coats, gloss emulsion paint coats	Adhesion Primer ELF 3720		
Intact, two-component coating, e.g. CreaGlas 2C PU Finish	2C Aqua Epoxy Primer 2373		

Notes

Hairline-crack-bridging coating on gypsum plasterboard

Hairline-crack-bridging coating on, e.g., gypsum plasterboard, gypsum fiber boards or similar substrates, in accordance with VOB Part C, DIN 18363, para. 3.2.1.2, can be achieved with full-surface reinforcement with, e.g., nonwoven wall coverings based on cellulose and fiberglass.

Discolorations on gypsum plasterboard

An additional sealing coating must be applied if there is a risk of discolorations penetrating through untreated gypsum plasterboard. Depending on the situation on site, use Aqualoma ELF 202, Iso grund 924 or CreaGlas 2K-PU-Finish 3471. For an accurate assessment, sample coatings of various panel widths, including the joints and filled areas, have proved to be useful.

Filling 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.

Definition latex paint

Ecofinish ELF 947 is free from natural latex. The term "latex paint" is not defined and often refers to synthetic emulsion paints with particularly hard-wearing surface. The quality characteristics of a synthetic emulsion paint are defined in accordance with DIN EN 13300.

Priming gypsum plaster

For gypsum-based plasters with strong absorbency, adequate stabilization is not always achieved. 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. Where appropriate, implement priming with Deep Penetrating Primer.

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.

Notes

- Compatibility with sealant** When coating sealing compounds, e.g., acrylic sealing materials, due to higher elasticity, cracks can occur in the coating material. This may also cause discoloration in the coating. Due to the wide variety of sealing systems on the market, it is vital to perform tests in each individual case to assess the adhesion and processing result.
- Repairs** Whether repairs are visible when looking at the entire surface depends largely on the situation on site. According to BFS Leaflet No. 25, Section 4.2.2.1, Paragraph e) this is unavoidable.
- Further information** Follow the instructions in 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. Version I

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