Data Sheet

# Topp ELF 948


**Low-emission, solvent and plasticizer free, dull matt, wet abrasion resistance Class 1, white, for interior use**

## Field of application

For highly resistant interior ceiling and wall coatings, e.g. on interior plaster, concrete, woodchip paper, plaster board, fiber cement, sand-lime brickwork, etc. Also suitable for larger surfaces with side lighting.

## Properties

- ELF = low emission, solvent- and plasticizer-free
- Highly 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
- 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
Further colors on request.

**Material basis**
Acrylate-copolymer

**Density**
Approx. 1.46 g/cm³

**Classification according to EN 13300**
- Wet abrasion resistance: Class 1
- Contrast ratio: Class 1 at 6 m²/l
- Gloss: dull matt
- Max. grain size: fine

**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**
15 l

## Use

**Thinning** If required, slightly with water.

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

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

**Application** Topp ELF 948 can be applied by brush, roller and airless-spraying.

**Consumption** Approx. 130–150 ml/m² per coat. 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 % |

## 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

**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 | Topp ELF 948 | Topp ELF 948 |
| 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 Topp ELF 948 | Topp ELF 948 |
| 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**

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.

**To latex paint definition**

Topp ELF 948 is free from natural latex. The term "Latex Paint" is not defined clearly and often refers to synthetic dispersion paints with a particularly hard-wearing surface. The quality characteristics of a synthetic dispersion paint are determined according to DIN EN 13300.

**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.

**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 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.

**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.

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