

## Natural Stone Render ELF 3551

low-emission, solvent- and plasticizer-free, preservative-free, organically bound render in accordance with DIN EN 15824, "nichtbrennbar" non-combustible, for interior use



### Properties

For decorative and hard-wearing interior surfaces on level substrates, e.g. interior plaster (compressive strength category CS II-CS IV und B1-B7), concrete, gypsum plasterboard, in-tact dispersion paint coats, etc. Particularly suitable for highly exposed surfaces, e.g. in stair-cases, hallways or reception/lobby rooms, foyers, etc.

### Field of Application

- ELF = low emission, solvent- and plasticizer-free
- Preservative-free
- Decorative natural stone render
- For jointless coatings
- Especially hard-wearing
- "Nichtbrennbar" (non-combustible)
- Ready for application
- Extremely impact-resistant
- Diffusible
- Easy to apply

### Material description

<b>Standard colors</b>	10 colors according to Brillux sample collection Nature. Due to the natural granulates used, minor color differences from the color samples are possible.
<b>Grain size</b>	1 to 2 mm
<b>Base material</b>	Styrolacrylat-Copolymer-Dispersion with decor broken stones and grains
<b>Density</b>	ca. 1,6 g/cm <sup>3</sup>
<b>Reaction to fire</b>	A2 – s1,d0 in accordance with EN 13501-1 ("nichtbrennbar", non-combustible)
<b>Packaging</b>	20 kg

## Use

- Thinning** If required, depending on the absorptive capacity of the substrate and the object situation, dilute slightly with water.
- Tinting** Do not tint.
- Application** Before application, thoroughly stir Natural Stone Render ELF 3551 using a high-power stirrer (min. 900 Watt) and right-handed spiral. Using a stainless steel smoothing tool, apply the render (1.5 times the grain thickness) and smoothen the surface in one direction evenly. To avoid visible joints, apply render wet in wet. We recommend that the work be performed by sufficient workers, especially in the case of large surfaces.
- Consumption** Approx. 4,0 kg/m<sup>2</sup> per layer.  
Exact consumption can be determined by a test application on the object to be coated.
- Application temperature** Do not apply if the air and object temperature is lower +5 °C or higher than +30 °C. These temperature limits must be complied with even during the curing time.
- Tool cleaning** Clean tools immediately after use with water.

### Color recommendation for intermediate coat with Render Primer 3710

Render Primer 3710 in color	for Natural Stone Render ELF 3551
0095 white	1170, 2170, 6170, 7190, 7191, 7430, 8170, 8190, 9190
Scala 99.00.30 <sup>1)</sup>	9650 silver-metallic <sup>1)</sup>

<sup>1)</sup> Alternatively, Render Primer 3710 can also be tinted up to max. 20 % with Full Color and Tinting Paint 951.

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

Fully cured after approx. 1 to 2 days.  
Allow longer drying times at lower temperatures and/or higher air humidity.

### Storage

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

### Declaration

**Product code** BSW40  
Comply with the specifications in the current Safety Data Sheet.

## Coating build-up

### Substrate preparation

The substrate must be level, 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 defective and unsuitable coatings thoroughly 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 down well and clean. Remove any wall coverings, including any paste or wall-glue residue. Treat replastered areas with a fluorine primer. Apply a prime and/or intermediate coat to the substrate as required. Also see VOB Part C, DIN 18363, Section 3.

### Render coating, interior

Substrates	Prime coat	Intermediate coat	Top coat
normally absorbent substrates, e.g. normal plaster (compressive strength category CS II-CS IV), intact emulsion, oil and enamel paint coats		Render Primer 3710, 0095 white or in Scala color 99.00.30, based on render color (see table above)	Natural Stone Render ELF 3551 in required color
highly absorbent substrates, e.g. gypsum plaster, gypsum plasterboards, concrete	depending on requirements, Lacryl Deep Penetrating Primer ELF 595 or Deep Penetrating Primer 545		

## Notes

### Contiguous surfaces

Only use material from the same batch on a contiguous surface or mix the required material quantity.

### Drying conditions

When applying natural stone render, ensure that the drying conditions are good because water-soluble, discoloring substances may be dissolved out of the substrate in the event of prolonged moisture impact.

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

### Gypsum fillers on gypsum plasterboard

The gypsum fillers recommended by gypsum plasterboard manufacturers can be particularly susceptible to moisture, which can result in swelling, bubble formation, and flaking (see also Data Sheet 2 "Filling of gypsum plasterboards, surface qualities" Trade Association of the German Gypsum Plasterboard and Wallboard Industry). It is therefore important to ensure adequate ventilation and appropriate temperatures for rapid drying.

### 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.

### 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.

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