

Sensocryl ELF

Low-emission, solvent and plasticizer-free premium wall finish with pure acrylate bonding agent, water-dilutable, wet abrasion resistance class 1, disinfectant-resistant, cleanable, for interior use



Farbsystem

Field of Application

For hard-wearing (depending on the gloss grade) interior ceiling and wall coatings with good flow properties (see "Surface cleaning properties" in Notes). Especially for smooth or textured wall coverings such as CreaGlas Fabric, Relief 3490, CreaGlas Nonwoven, Rapid Nonwoven 1525 and woodchip wallpaper, blown vinyl or embossed wallpaper. Also on load-bearing substrates, such as interior plaster, concrete, gypsum plasterboard, etc. Particularly suitable in hospitals, schools, nursery schools, hotels, canteens, government buildings, living areas, etc. On surfaces exposed to mechanical stress or regular cleaning, use at least silk matt gloss grade or higher.

Properties

- ELF = low-emission, solvent and plasticizer-free
- Free of fogging-active substances
- Suitable for indirect contact with food products (according to test certificate)
- Very bright white color shade
- Very brilliant color shades
- Resistant to watery, non-alcohol-based disinfectant according to test report
- Water-vapor-permeable
- "schwerentflammbar" B1 (flame-retardant) in accordance with DIN 4102 with system build-up featuring CreaGlas Fabric and Relief 3490 according to test certificate
- With silk matt degree of gloss also suitable for use in clean rooms
- very easy to apply

Material description

Standard color	0095 white. More colors can be mixed with the Brillux Color System.
Base material	pure acrylate
Density	approx. 1.28 to 1.4 g/cm ³

Material description

Classification according to EN 13300 (white)

- Wet abrasion resistance: class 1
- Contrast ratio: class 2, at 7 m²/l
- Gloss: 266 dull matt
267 silk matt
268 silk-glossy
269 glossy
- 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

0095 white: 5 l, 15 l
Color system: 5 l, 15 l

Use

Thinning

If necessary, thin with small amounts of water in particular for implementation with little structure on smooth surfaces, e.g. nonwoven.

Tinting

Up to max. 10 % with Full Color and Tinting Paint 951.

Compatibility

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

Application

Sensocryl ELF can be applied with a brush or by roller application. As a minimum, use silk matt or higher degree of gloss on surfaces subject to mechanical loads or regular cleaning. Sensocryl ELF type 266, 267 and 268 can also be sprayed using the airless spray method.

Consumption

On smooth substrates:
Approx. 130 to 150 ml/m² per layer.
In system build-up with CreaGlas Fabric: Approx. 170 to 230 ml/m² for intermediate coat and approx. 130 to 150 ml/m² for top 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.

Airless spray data

Nozzle opening		Jet angle	Pressure bar	Thinning
Inch	mm			
0.021 – 0.027	0.53 – 0.69	40°–80°	approx. 150	approx. 5 %

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

Surface dry and recoatable after approx. 4 to 6 hours. On larger surfaces, the drying time between application of the individual coats should be at least 12 hours. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

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

Declaration

Note 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 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 that are not suitable for painting, that includes any paste or 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.

First coat

Substrates	Prime coat	Intermediate coat	Top coat
uncoated CreaGlas Fabric, Relief, woodchip, embossed wallpaper		1 to 2x Sensocryl ELF	Sensocryl ELF
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		
Gypsum plaster, gypsum plasterboard, gypsum wallboard	Depending on the individual requirements Lacryl Deep Penetrating Primer ELF 595, Lacryl Hydro-Gel ELF 695, Wall Primer ELF 3729 or Wall Primer coarse ELF 3728		

¹⁾ Minimum compressive strength > 2.0 N/mm² (compressive strength categories CS II, CS III, CS IV)

Renovation coat

Substrates	Prime coat	Intermediate coat	Top coat
Normally absorbent substrates, e.g. matt emulsion paint	if necessary, Lacryl Deep Penetrating Primer ELF 595 or Adhesion Primer ELF 3720	depending on object situation and requirements 1 to 2 coats of Sensocryl ELF	Sensocryl ELF
non-absorbent or low-absorbent substrates, e.g. oil and varnish paint coats, glossy emulsion paint coats	Adhesion Primer ELF 3720		
intact, two-component coating, e.g. CreaGlas 2C PU Finish	2K-Aqua Epoxy Primer 2373		

Assessment of the suitability for cleaning according to test report

Medium	Conventional interior emulsion	Sensocryl ELF 266 Matt	Sensocryl ELF 267 Silk matt	Sensocryl ELF 268 Silk Gloss	Sensocryl ELF 269 Glossy
Cola	Significant trace ²⁾	OK, minimum residue	OK ¹⁾	OK ¹⁾	OK ¹⁾
Orange juice	Very significant trace ³⁾	Minor residue	OK ¹⁾	OK ¹⁾	OK ¹⁾
Instant coffee	Very significant trace ³⁾	OK ¹⁾	OK ¹⁾	OK ¹⁾	OK ¹⁾
Strawberry jam	Significant trace ²⁾	OK, minimum residue	OK ¹⁾	OK ¹⁾	OK ¹⁾

¹⁾ New residue after cleaning

²⁾ Significant traces following cleaning involving characteristics that are visible and can be felt.

³⁾ Heavy-duty traces following cleaning involving unfeasible characteristics that are visible and can be felt.

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.

Discoloration on gypsum plasterboards

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.

Smoothing rough surfaces

If required, level rough surfaces before building up the coat, e.g. using Briplast Mineral Hand Applying Light Filler ELF 1886.

Designs with brilliant or intense color shades

Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low hiding power due to the nature of their pigments. When using critical color shades in these color ranges, we recommend applying a full-covering prime coat in the corresponding base color (Basecode).
In addition to the standard coating build-up, additional coats may be required.

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 the site. According to BFS Leaflet No. 25, Item 4.2.2.1, Section e, this is unavoidable.

Notes

Disinfectant use	In addition to the disinfectants listed in the test report, other products can be evaluated for suitability. Please contact Brillux consulting service regarding specific cases.
Surface cleaning properties	To achieve a surface that is easy to clean we recommend the use of Sensocryl ELF – with at least a silk matt or higher gloss grade – to avoid surface defects such as polished spots.
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.
Projection surfaces	Due to the very white and matt surface, Sensocryl ELF 266 is also well suited as a coating on projection surfaces (without determination of the gain factor).
Further information	Follow the instructions on the Data Sheets of the products used and the different CreaGlas Fabric types.

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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