Data Sheet

Ecofinish 947

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

Field of application

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

- 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

Color	0095 white Additional color shades available on request
Base material	Styrene acrylate copolymer
Density	Approx. 1.53 g/m³
Classified in accordance with EN 13300	Wet abrasion resistance: R-Class 2 Contrast ratio: H_{10}-Class 2 (at 8 m²/l) Gloss: G4 dull matt Maximum grain size: S1 fine
Reaction to fire	A2 – s1, d0 in accordance with DIN EN 13501-1 ("nichtbrennbar", non-combustible) in system build-up with 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 947 can be applied by brush, roller, and airless spraying.

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 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° to 80°	150 bar	approx. 5%

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

Surface dry and ready for coating after 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 spray mist.

Product code BSL20
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 rinse off reversible, water-sensitive coats (e.g. distemper). 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

Substrates	Prime coat	Intermediate coat	Top coat
Interior plaster (depending on the compressive strength [1]), concrete	If necessary, Lacryl Deep Penetrating Primer 595, Deep Penetrating Primer 545 or Adhesion Primer 3720, Wall Primer 3729 or Wall Primer Coarse 3728	Ecofinish 947	Ecofinish 947
Gypsum plaster [1], gypsum plasterboard [2], gypsum plasterboard panels	Depending on the individual requirements With Lacryl Deep Penetrating Primer 595, Lacryl Hydro-Gel 695 or Wall Primer 3729		
Aerated concrete, in interior areas	Priming Concentrate 938, 1:3 water-diluted		
Wall coverings, e.g. woodchip wallpaper, Rapid Nonwoven, 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 595 as part of the substrate pre-treatment.

Renovation coat

Substrates	Prime coat	Intermediate coat	Top coat
Normally absorbent substrates, e.g. matt emulsion paint coats	If necessary, Lacryl Deep Penetrating Primer 595 or Adhesion Primer 3720, Wall Primer 3729 or Coarse Wall Primer 3728	Depending on the situation on site and the individual requirements Ecofinish 947	Ecofinish 947
non or not very absorbent surfaces, e. g. oil and varnish coatings, glossy emulsion paint coatings	Adhesion Primer 3720		
intact, two-component coating, e.g. CreaGlas 2K-PU Finish	2K-Aqua EP 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 bleeding through the untreated gypsum plasterboard. Depending on the situation on site, use Aqualoma 202, Isolating Primer 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 Silafill 1886, as required.
For use on smooth substrates and surfaces with an incidence of grazing light	We recommend using Glemalux 1000 or Superlux 3000 on smooth substrates and for surfaces with an incidence of grazing light.
Definition latex paint	Ecofinish 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	To achieve a surface with higher cleanability (e.g. frequent, partial dirt removal with a damp cloth), we recommend using interior emulsion paints with wet abrasion resistance class 1 and a medium gloss or glossy surface.
Compatibility with sealing compounds	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.

Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com