

OptiGrund E.L.F. (E.S.F.)

SilaCryl-based, deeply penetrating, special primer for exterior and interior surfaces; verifiable through a special UV-reflecting finish.

Product Description

Field of Application:

For equalising priming coats on rough porous, absorbent, slightly sandy renders/plasters and concrete surfaces, exteriors and interiors, or interior gypsum building and plasterboards before applying dispersion, silicone resin or polymer resin paints.

OptiGrund E.L.F. (E.S.F.) may also be used in rooms without explosion-proof fittings or in insufficiently ventilated areas, as well as in rooms used for processing or storing foods and luxury foodstuffs.

Due to the special SilaCryl technology (extremely fine particles) the material is deeply penetrating and enhances hydrophobic properties.

In conjunction with a black light lamp, the special UV indicator provides verification of priming even after a following coat.

To do this, the coating is carefully scraped away down to the substrate and illuminated with an ultraviolet lamp.

OptiGrund E.L.F. (E.S.F.) is then characterised by a bluish violet reflection.

Properties:

Low odour, emission-minimised, solvent-free, enhances hydrophobic properties, ready-to-use, easy to apply.

Vehicle:

Silicone modified, aqueous acrylic resin hydrosol.

Density:

Approx. 1.02 g/cm³

Please Note (Status as at April 2007):

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. Do not breathe spray dust. Do not empty into drains, water courses and onto the ground.

Further information: See Safety Data Sheets.

Storage:

Cool, but frost-free.

Disposal:

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

Product Code Paints & Enamels:

M-GF01

Substances of Content - Declaration:

Acrylic resin hydrosol, water, additives, preservatives (microbiocides).



Packaging:

1 lit., 5 lit. and 10 lit.

Application

Preparation of Substrates:

The substrates must be sound, dry, clean, and free from all materials that may prevent good adhesion.

In Germany: Follow VOB, part C, DIN 18 363, paragraph 3.

The material should not be applied under a glaring sun, on sun-heated surfaces, during strong wind, fog, high relative humidity, or imminent rain or frost.

See Technical Information No. 650 for suitability of OptiGrund E.L.F. (E.S.F.) on different substrates and their special treatment.

Application:

Apply one coat of undiluted material on substrates with normal absorbency.

On strongly absorbent surfaces use once undiluted, but soak thoroughly.

The priming coat must not form a glossy film, but due to the special UV indicator a slight surface lustre will appear.

Consumption:

Approx. 150 – 200 ml/m² depending on the substrate absorption.

Determine the exact consumption by testing.

Tools:

OptiGrund E.L.F. may be applied by usual brush, roller or spraying equipment, also with airless units.

Airless application:

Spray angle: 20° – 50°

Nozzle size: 0.015"

Pressure: 60 bar

Clean tools immediately after use with water.

Compatibility with other Materials:

To keep the specific properties, OptiGrund E.L.F. (E.S.F.) should not be mixed or thinned with any other materials.

Minimum Temperature for Application and Drying:

+5 °C for material, substrate and ambient air.

Drying Time:

At +20 °C and 65% relative humidity recoatable after approx. 12 hours.

At lower temperatures allow longer drying times.

Please Note:

Do not apply OptiGrund E.L.F. (E.S.F.) on horizontal surfaces exposed to rain or moisture.


Advice

Technical Assistance

As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries.

We will describe appropriate working methods, if a substrate not specified above is to be coated.

Customer Service Centre:

 (+49) 06154 / 711710

Fax No.: (+49) 0 6154 / 711711

e-mail: kundenservicecenter@caparol.de

International Distribution:

Please see www.caparol.com

Technical Information No. 660 - Issue: April 2007

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 660 OptiGrund E.L.F., issued: April 2007

CAPAROL Farben Lacke Bautenschutz GmbH · Roßdörfer Str. 50 · D-64372 Ober-Ramstadt · Tel. + 49 (061 54) 71-0 · Fax + 49 (061 54) 71-13 91 · Internet: www.caparol.com
Berlin Branch · Schnellerstr. 141 · D-12439 Berlin · Tel. +49 (030) 63 94 6-0 · Fax +49 (030) 63 94 62 88

DAW International Relations: Deutsche Amphibolin-Werke von Robert Murjahn Stiftung & Co KG · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 (061 54) 71-12 74
Fax +49 (061 54) 71-12 64 · E-mail export@daw.de · Internet www.caparol.com