

Deep penetrating Primer 545

Tiefgrund 545

**solvent based, consolidating, deep penetrating,
for exterior and interior use**

Properties

Solvent based, deep penetrating primer. Colorless, substrate-consolidating, water vapor permeable, for exterior and interior use.

Field of application

For priming and consolidating surfaces with sanding plasters, chalking dispersion paints, as well as lime, chalk and silicate residue in the surfaces pores. As a priming coat for very absorbent surfaces, e.g. concrete, gypsum plaster, plaster board or asbestos cement. Can also be used as a primer in the Brillux concrete protection system on absorbent mineral surfaces, e.g. concrete, mortar containing cement and plasters.

Material description

Color: Colorless

Base material: Copolymerised resin, contains solvent.

Density: Approx. 0,79 g/cm³

Packaging: 1 l, 5 l, 10 l

Use

Thinning

Depending on the surface absorbency with Turpentine-Substitute 321.

Application

Preferably apply Deep penetrating Primer 545 with a wide brush. Avoid glossy surfaces.

Consumption

Approx. 150–200 ml/m² per layer depending on the absorbency of the surface. Determine exact consumption by means of a test application on the object to be coated.

Application temperature

Can be applied on dry, frost free surfaces below +5 °C temperature.

Tool cleaning

Clean tools immediately after use with Turpentine-Substitute 321 or Quick Brush Cleaner 111.

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

Recoatable and further system steps can be applied after sufficient drying and evaporation of the solvent, in general, this means after drying overnight. Allow longer drying times at a lower temperature and/or higher air humidity.

Storage

Store in a cool and dry location. Reseal opened containers tightly.

Declaration

Water danger class

Class 2, according to VwVwS.

Product-Code

BSL50.

Comply with the specifications in the current Safety Data Sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, load-bearing, absorbent 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. Clean areas infested with fungus or algae thoroughly and treat them with Universal Disinfectant 542*. (* Use biocides safely. Always read labels and product information before use.) Treat replastered areas with a fluorine primer. Repair damaged concrete surfaces with the Brillux Concrete Protection System. Also see VOB Part C, DIN 18363, Section 3

Priming coat

Prime absorbing substrates and substrates with a sandy surface with Deep Penetrating Primer 545 (unthinned). For dense, slightly absorbent surfaces turn out Solvent Primer 545 to the surface absorbency. Prime very absorbent surfaces twice for sufficient seal. Take care to avoid gloss areas. The priming must not form a sealed glossy film.

Further coating

Depending on requirements or selection, e.g. with Brillux interior or facade paints, plastic materials, plaster systems or wall coverings.

Notes

Use in the interior

If used in interior areas, provide for good ventilation during application and drying.

Despite this measure, the TVOC values recommended by the German Federal Environmental Agency, level 1 (guide value I, < 300 µg/m³), may be significantly exceeded for a short time in the room air depending on the room and substrate situation.

In the case of large-area applications to interior areas, we recommend the use of a water-dilutable system, e.g. with Lacryl Deep Penetrating Primer ELF 595, due to the typical smell of solvent-based materials. For more information, contact the Brillux consulting service.

In areas with food as well as ETICS

Do not use primers containing solvents in areas where food is stored or produced, as well as on External thermal insulation compound systems (ETICS) with EPS hard foam insulation boards.

Surface situation

The primers and coatings must correspond with the surface situation. Without detailed knowledge of these conditions it is not possible to give definite recommendations.

Priming gypsum plaster

Sufficient solidification is not always achieved with highly absorbent gypsum plasters. For a safe assessment, we recommend testing the adhesion of the whole coating build-up with an adhesive tape tear-off test (tesaband 4651).

Wallpapering on gypsum plaster

When applying wall paper or wood-chip wall paper on gypsum plaster (MG PIV), pre-pasting will normally be required, also refer to Merkblatt No.16 issued by Bundesausschuss Farbe und Sachwertschutz.

Discoloring in the case of gypsum plasterboard

If there is the risk of yellowing shining through (in the case of untreated gypsum plaster boards), apply an additional coat according to BFS leaflet no. 12, Part 2. Depending on the object situation, use Aqualoma ELF 202, Isolating Primer 924 or CreaGlas 2C PU Finish 3471, for example. In order to make an exact assessment, a painting sample should be applied to several boards including the plastered joints.

In the case of facade coats

Do not apply in direct sunlight, on heated surfaces or when there are strong winds, rain, etc. If necessary take protective measures.

Further information

Follow the information on the Data Sheets of the products used.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet appears with updated information 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
www.brillux.com
info@brillux.de