X-Prime®

Technical specifications

Consolidating dust-proof fixative and primer for the treatment of cement and plaster surfaces before the installation of tiles and MicroCemento®

Product description

Primer consisting of a micro-emulsion made from synthetic resins in aqueous dispersion, featuring high penetration on porous substrates such as: cement and anhydride screeds, cement- and gypsum-based plasters, gypsum panelling, etc.
X-Prime® is ready-to-use, guarantees fast and easy application and is solvent-free.

Certifications

EPD Environmental Product Declaration

Materials

Gel
Adhesives
Self-levellers
Skim coats
Cement plasters

Substrates

Cement screeds
Cement plasters
Gypsum
Anidrite

Uses

Consolidation of dusty and poorly coherent surfaces
Reduced substrate absorption
isolation from gypsum and anhydrite substrates

Limitations

Since the product is based on synthetic resins in aqueous dispersion, it must be protected against frost. When packages are transferred and stored in a warehouse, the temperature must not fall below +5°C so as not to compromise the quality of the product
Before application, use a hygrometer to check that the residual humidity in the substrate is no more than 0.5% for gypsum- or anhydrite-based substrates
Do not apply the product on damp surfaces or surfaces subject to rising damp
In warm climates, keep the packaged product in a cool and dry place away from the sun before use
Do not use the product on metal sheeting
Do not use the product on magnesia substrates
Do not use on non-absorbent surfaces
The use of X-Prime® does not replace substrate cleaning, e.g. the removal of wax residues, grease, dust or other substances
Do not use the product for applications not indicated in this Technical Data Sheet
For further information, contact the Litokol Technical Help Service at +39-0522-622811 or via customercare@litokol.com

Product specifications

Appearance	Liquid
Colour	Yellow
Responsible Packaging	1 kg recycled plastic bottle and 5 kg and 10 kg recycled plastic can
Preservation	24 months in original packaging in a dry place. Protect against frost.
Customs code	39069000

Technical specifications

Flexibility	Excellent
Resistance to humidity	Discrete
Resistance to oils	Discrete
Resistance to solvents	Discrete
Resistance to acids	Discrete
Specific gravity	1.0 kg/dm^3
pH	7 - 8
Brookfield viscosity (sp 6 - 20 rpm)	10 - 20 mPa^s
Dry solids content	9-11%

Specifications for application

Mix ratio	Ready-to-use product without the need for any preparation.
Application	Roller or brush
Application temperatures	From +10°C to +35°C
Waiting time for application of cementitious products	4 hours
Penetration	High
Temperature of use	From -5°C to +90°C

How to clean equipment	With water when product is fresh. Mechanically when product has set.
Consumption	Roller or brush application: ~ 100 - 300 g/m^2
Notes	Data detection at temperature +23 °C, R.H. 50% and with no wind. May vary depending on the specific conditions of the installation site.

Substrate preparation

In accordance with Standard UNI 11493-1, the substrates must be mechanically resistant and free of friable parts, and clear of grease, oils, paints, waxes and rising damp.
Cement, lime, gypsum residue or old binders can be mechanically removed by sanding, abrasion or using other suitable techniques.
Cement plasters must have a curing time of at least one week per cm of thickness.
Cementitious screeds must have a total curing period of at least 28 days or be made with the innovative anti-fracture screeds, X-Floor and X-Floor Pro.
Anhydrite floors must be previously sanded and therefore dusted.
Use a hygrometer to check that the residual humidity is not greater than 0.5% in the case of gypsum-based plasters or substrates.
Any cracks or fissures must be sealed with CrackRepair.
In any case, the respective technical data sheets must be consulted for the correct use of the indicated products.

Application

The product can be evenly applied with a brush or roller across the entire surface.
Depending on the absorbency of the substrate, the product can be applied either pure or diluted with water to a ratio of 1:1 or 1:2.
On low porosity and low absorbency substrates, apply the product diluted, while for high porosity and high absorbency products, apply the product pure.
The thickness of the impregnated substrate is roughly 1 mm per 200 ml of product applied to each square metre.
Wait for the product to completely dry before moving on to the next steps (bonding, levelling, skimming).
At a temperature of about +23°C, approximately 4 hours are necessary for complete drying.
Low temperatures will lengthen the setting time, high temperatures will shorten it.

Information regarding safety

For the safe use of our products, refer to the latest version of the Safety Data Sheet, available on the website www.litokol.com
PRODUCT FOR PROFESSIONAL USE

Legal notes

The information and provisions contained in this Technical Data Sheet reflect our best experience. Given the impossibility of directly intervening on the conditions of the work site and execution of the works, they represent indications of a general nature, which are in no way binding for our

Company. It is therefore recommended to perform a spot test in order to check the suitability of the product for the intended use. In any case, those who intend to use the product must establish whether or not it is suitable for the intended use, and in any case assume all liability for any consequences resulting from such use. Always refer to the latest updated version of the Technical Data Sheet, available on the website www.litokol.com

Item specification

#Before installing tiles and Microcemento®, cementitious and gypsum surfaces will be treated with a water-based dispersion primer, applied using a roller or brush, such as X-Prime® by Litokol Lab S.p.A.

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