
X-Prime®

Technical Specifications



Anti-dust consolidating fixative and primer for treating cementitious and plaster surfaces prior to the installation of tiles and MicroCemento®

Product description A primer consisting of a water-based microemulsion of synthetic resins, characterised by high penetration into porous substrates such as: cementitious and anhydrite screeds, cementitious and gypsum-based plasters, plasterboard panelling, etc.
X-Prime® is ready to use, ensures quick and easy application and is solvent-free.

Certifications EPD Environmental Product Declaration

Materials Gel
Adhesives
Self-levelling compounds
Levelling compounds
Cement plasters

Substrates Cement-based screeds
Cement plasters
Plaster
Anhydrite

Uses

Interior – exterior
Floors – Walls
Consolidation of dusty and loose surfaces
Reduction in substrate water absorption
Insulation for gypsum and anhydrite substrates

Limitations

As the product is based on synthetic resins in an aqueous dispersion, it is sensitive to freezing. During transport and storage of the packaging, ensure that the temperature does 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 moisture content in the substrate does not exceed 0.5% in the case of gypsum- or anhydrite-based substrates
Do not apply the product to damp surfaces or those prone to rising damp
In hot weather, store the product packs in a cool place away from direct sunlight before use
Do not use the product on metal sheets
Do not use the product on magnesium-based substrates
Do not use on non-absorbent surfaces
The use of X-Prime® does not replace the cleaning of the substrate, for example to remove residues of wax, grease, dust or other substances
Do not use the product for applications not listed on this Technical Data Sheet
For further information, please contact Litokol's Technical Customer Service on +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 jerrycans
Storage	24 months in original packaging in a dry place. Keep away from frost.
Customs heading	39069000

Technical Specifications

Flexibility	Excellent
Moisture resistance	Discrete
Resistance to oils	Discrete
Solvent resistance	Discrete
Acid resistance	Discrete
Specific gravity	1.0 kg/dm ³
pH	7 - 8
Brookfield viscosity (sp 6–20 rpm)	10–20 mPa·s
Solid residue	9–11%

Application Specifications

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

Operating temperature	From -5°C to +90°C
Cleaning of equipment	With water when the product is fresh. Mechanically once the product has hardened.
Coverage	Application by roller or brush: ~ 100–300 g/m ²
Notes	Data recorded at a temperature of +23 °C, 50% RH and in the absence of ventilation. These may vary depending on specific site conditions.

Preparation of substrates

In accordance with standard UNI 11493-1, substrates must be mechanically sound and free from crumbly parts, grease, oil, paint, wax and rising damp. Cement, lime, gypsum residue or old binders can be mechanically removed by sanding, abrasion or using other suitable techniques. Cement-based plasters must be allowed to cure for at least one week per centimetre of thickness. Cement-based screeds must have a total curing period of at least 28 days or be laid using the innovative X-Floor and X-Floor Pro anti-crack screeds. Anhydrite floors must be previously sanded and therefore dusted. Check with a hygrometer that the residual moisture content does not exceed 0.5% in the case of gypsum-based plasters or substrates. Any cracks or fissures must be sealed with CrackRepair. In any case, it is essential to consult the relevant technical data sheets to ensure the correct use of the products indicated.

Application

The product can be applied evenly across the entire surface using a brush or roller. Depending on the absorbency of the substrate, the product can be applied undiluted or, if necessary, diluted with water in 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. As a guide, the thickness of the impregnated substrate is approximately 1 mm per 200 ml of product applied per square metre. Allow the product to dry completely before proceeding with the next stages (bonding, levelling, skimming). At a temperature of approximately +23°C, it takes about 4 hours to dry completely. Low temperatures will lengthen the setting time, high temperatures will shorten it.

Safety Information

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

Legal notices

The information and specifications contained in this Technical Data Sheet are based on our best knowledge. However, as we are unable to directly influence site conditions or the execution of the works, these are general

guidelines which do not in any way bind our Company. We therefore recommend carrying out a preliminary test to verify the product's suitability for the intended use; in any case, anyone intending to use it is required to determine whether or not it is suitable for the intended use and, in any event, assumes all liability that may arise from its use. Always refer to the latest updated version of the Technical Data Sheet, available on the website www.litokol.com

Specification item

#The treatment of cementitious and plaster surfaces prior to the laying of tiles and Microcemento® will be carried out using a water-based primer, applied by roller or brush, such as X-Prime® by Litokol Lab S.p.A.

Product details **No. 539**
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