X-Activator®

Technical Specifications



Water-based polymeric primer and sealant with adhesion promoter to seal porous and non-porous surfaces and improve adhesion to the substrate. Superior mechanical adhesion

Product description

X-Activator® is a ready-to-use adhesion-promoting primer consisting of synthetic resins in an aqueous dispersion with improved adhesion and water resistance, and specific rheological additives that give the product excellent flow properties without running when applied to walls.
A versatile, ready-to-use product capable of adhering to substrates such as: concrete, fibre-cement panels, PVC, linoleum, wood, ceramic tiles, stoneware, natural stone, and surfaces with residues of organic adhesives
Suitable for indoor and outdoor floor and wall applications, on existing tiles and on underfloor heating systems, even under severe operating conditions, allowing for rapid drying in approximately 30 minutes and installation in approximately 1 hour
It offers excellent resistance to moisture and has pseudoplastic rheological properties that prevent it from running when applied to walls.
Product subject to no restrictions on transport by road, sea, air or rail

Certifications

EC1 Plus Gev Emicode
A+ Indoor air emissions
EPD Environmental Product Declaration

Materials

Gel
Adhesives
Self-levelling compounds
Levelling compounds
Cement plasters
Waterproofing products

Substrates

Concrete
Fibre-cement panels
Metal
PVC
Linoleum
Wood
Ceramic tiles
Porcelain stoneware
Natural stone

Uses

Interior – exterior
Floors – Walls
Promotes adhesion to moderately absorbent and non-absorbent substrates
Absorption reduction

Limitations

Apply the product at temperatures between +5°C and +35°C
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
Do not add lime, cement or other foreign materials to the product
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 for laying ceramic tiles on surfaces in constant contact with water, such as baths, swimming pools, etc.
Avoid using excessive amounts of the product
In the case of painted, PVC or linoleum floors, sand and remove any dust.
The use of X-Activator® does not replace the cleaning of the substrate, for example to remove residues of wax, grease, dust or other substances
For applications on external walls, metal, PVC or linoleum, please consult Litokol Lab S.p.A.'s Technical Customer Service in advance.
Do not use 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	Thick liquid
Colour	Green
Responsible Packaging	1 kg recycled plastic bottle and 5 kg recycled plastic bucket
Shelf life	24 months in original packaging in a dry place. Protect against frost.
Customs heading	32091000

Technical Specifications

Moisture resistance	Excellent
Ageing resistance	Excellent
Flexibility	Good
Brookfield viscosity (sp 6–20 rpm)	20,000 – 30,000 mPa^s
Solid residue	70%
pH	8,7 - 9,7
Specific gravity	1.50 kg/dm^3

Application Specifications

Mixing ratio	Ready-to-use product without the need for any preparation.
Thickness	< 1 mm
Application	Roller or brush
Permissible application temperatures	From +5°C to +35°C
Drying time or walk-on time	Application by roller or brush: 30 minutes
Waiting time for application of cementitious products	Application by roller or brush: 1 hour
Operating temperature	From -20°C to +80°C
Cleaning of equipment	With water when the product is fresh. Mechanically once the product has hardened.
Coverage	Application by roller or brush: ~ 50–100 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 first be sanded and then dusted.
Check with a hygrometer that the residual moisture content does not exceed 0.5% in the case of plasters or gypsum- or anhydrite-based 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 is applied in a single coat directly onto the surface to be treated using a roller or brush.
During application, ensure the product is spread evenly over the surface.
Once dry (approximately 1 hour at a temperature of +23°C), the product is completely dry and has a rough surface that facilitates the application of cementitious products, ensuring a high degree of adhesion.

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 certified preparation of smooth, compact and non-absorbent substrates, prior to the application of skim coats, levelling compounds, self-levelling compounds and fluid mortars, shall be carried out using a single-component adhesion promoter such as X-Activator® by Litokol Lab S.p.A..

Product details **No. 541**
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