

# LGS Plus

Vinylversatic resin in aqueous dispersion to be mixed with products from the Tradimalt finishes line in order to improve adhesion, plasticity and workability.

**A** LIMITATO ASSORBIMENTO D'ACQUA

**>** ADESIONE SUPERIORE



Use this QR code for further details on application modalities, safety sheet and other information.

**67** Product code



## Technical and physical characteristics

Package	8 l
Consistency	liquid
Density	1.1 g/cm <sup>3</sup>
Appearance	White
ph	8.0 ±8.5

Alkali resistance	excellent
Resistance to oils	excellent
Temperature of use	+5°C / +35°C.
Storage period	24 months

## Description

LGS Plus is a concentrated liquid emulsion based on vinyl versatate resins in an aqueous dispersion for mixing the mortars of the Tradimalt finishes line in place of water.

The use of such an emulsion in the finishing mix improves the product's adhesion and workability, decreases its porosity and thus its water absorption.

## Fields of application

Additive for improving the mechanical and adhesion properties of cement mixes for thin skim coatings, indoors and outdoors on:

- cement-based plasters;

- concrete;
- fibre cement panels;
- cellular concrete

## Substrate preparation

The substrates must be even, moist, evenly absorbent and free of unstable parts. Eliminate scraping or sanding dusts often present in the case of pre-mixed, mechanically projected substrates. Concretes must be

washed, degreased and free of all traces of salt efflorescence and release oils. Moisten the substrates before application. Unstable and/or flimsy underlying plasters must be previously stabilised with Tradimalt Consolidante (Consolidating Agent).

## Product preparation

Mix LGS Plus (8-litre liquid emulsion) with a 25 kg Tradimalt finishing powder using a low-speed mixer, as follows:

1) First pour LGS Plus into a suitable clean container;

2) Slowly add the mortar, under mechanical stirring; 3) Mix thoroughly for a few minutes, trying to remove the not completely dispersed powder from the walls and bottom of the container until a homogeneous, lump-free paste is obtained.

## Product application

The application should be done in two layers within the same working day and finished with a sponge. Apply the first coat of the product to sufficiently cured plaster after at least 24 hours with a steel trowel evenly over the entire surface. In the case of over-seasoned and/or dry substrates, it is recommended to apply an adhesion promoter such as Primer Isolante beforehand, which evens out the absorption of the substrate. After at least one hour,

the second finishing layer can then be applied until a total thickness of the two layers of 3 to 5 mm is achieved. Proceed to the next stage of sponge finishing when the product is sufficiently dry. Soak up the sponge pad with water, if necessary, and sponge the surface with a circular movement of the foot until an even effect without joints and overlaps is achieved.

## Advantages

Tradimalt finishes modified with LGS Plus have improved workability during installation, after setting and final hardening they show better adhesion to the surface, greater resistance to bending and abrasion, lower

porosity and therefore less water absorption and greater resistance to de-icing salts, the formation of surface efflorescence and water leaching phenomena;

## Specification item

Aqueous dispersion vinylversatic resin for improving the adhesion, plasticity and workability properties of Tradimalt SpA's LGS PLUS finishing products suitable for

internal and external smoothing of concrete walls and both old and new cement plaster.

This is Tradimalt's way of communicating, in its information and technical-commercial material, the composition of each product and some of the product's key features. Therefore, the focus is on supply chain transparency, not required by any relevant regulation but which Tradimalt nevertheless intends to offer to its customers in order to emphasise the quality of the raw materials, and thus of the product, as well as the safety that the company intends to demonstrate with regard to formulations. The focus is therefore in the "transparency" that the company intends to manifest in the supply chain, which is not required by any current formulation law.

## Raw materials contained in the product

Selected raw materials:

- Aqueous dispersion of synthetic, vinylversatic polymers.

## Warnings

- Operating temperature +5 °C to +35 °C;
- do not apply on supports that are ice-cold, thawing, or risk to freeze during the 24 hours after the application;
- Do not apply at high temperatures and on absorbent substrates;
- always moisten the substrate the day before application.
- avoid application in strong wind or full sunshine;
- do not apply to products containing solvents, oils or grease;
- do not apply on damp substrates;
- protect the product from rapid drying and moisten for a few days after application.
- protect the parts not to be soiled.
- do not add neither binding agents nor aggregates to the product;
- dispose of waste in accordance with local regulations.

The technical-practical information contained in the technical data sheet is the result of our most accurate and detailed scientific research and experience in the field. However, since we cannot directly influence the site conditions and the execution of the work, this information is to be considered non-binding and therefore not legally or otherwise mandatory for third parties. This information does not exempt the end user from their responsibility to test our products in order to ascertain their suitability for the intended use. We therefore strongly advise the customer/applicator to carry out the appropriate preventive tests of Tradimalt products so that their suitability can be ascertained.