

Technical Data Sheet (valid from batch #72564)

GRAVA Wall Primer Sealer No. 408

N means **LIVOS neutral** for the allergy-prone and chemically sensitive

Without orange oil

Application range	On interior surfaces, to stabilize slightly sandy, chalky or highly absorbent surfaces. As an adhesion agent for LIVOS wall paint coatings. Can also be used as a primer for wallpapering on gypsum boards, see also LAVO Natural Wall Paper Paste No. 535.
Technical qualities	Water vapour permeability. Transparent. GRAVA Wall Primer Sealer No. 408 was rated as very good in the magazine "Öko-Test: Guide for Construction, Habitation, Renovation" edition 5 / 2003.
Full declaration	Water, linseed oil, isoaliphates, beeswax, methyl cellulose, larch resin, dammar resin, shellac, borax, silver chloride and ethanol.
Color	Transparent when dry.
Dilution	As a rule, the concentrate should be diluted with water in a ratio of 1: 1 (see also page 2).
Application method	With a wide brush or ceiling brush at temperatures above 10 °C (50 °F). Wash equipment from time to time as soon as grains and streaks begin to appear. (see reverse for further information).
Coverage	1 liter (1.06 quart) is sufficient for approximately 34 m ² (183 ft ²), i.e. 29 ml/m ² . Could be considerably less ml/m ² , depending on the condition and absorbency of the surface. Always do a test application!
Drying time	At 23°C (73 °F) and 50% relative humidity GRAVA can be painted over after 24 hours.
Cleaning	Clean equipment immediately after use with LATIS Tool Cleaner No. 558 diluted with 1-2 parts of warm water.
Specific gravity	Approximately 0.98 g/ml.
Safety advice	P102 Keep out of reach of children.
Disposal	According to local official regulations.
Container sizes	0.5 l; 2.5 l; 10 l; 30 l.
Storage	Cool, dry, and frost-free. Shelf life: unopened at least 2 years. Please do not store opened or diluted product. Once opened, use the product up within 2 to 3 days.
Packaging	Made of polyethylene (PE). This material is ground water neutral and recyclable.

How to use

GRAVA Wall Primer Sealer No. 408

General surface requirements

The surface must be dry, able to absorb and bear load, pH-neutral, clean and free of separation agents, cracks, salt deposits and fungi.

Preparation

Close holes and cracks with VEDO Wall Filler No. 440. Structural cracks must be repaired with a crack-bridging repair system. For other preparatory work see the table:

<u>Surface</u>	<u>Preparation</u>
Cement-, gypsum- and lime plaster	Remove dust and dirt. Possible sinter layers must be removed by sanding.
Screed	Max. residual moisture Cement screed <2% Anhydrite screed <0,5% Non-absorbing screeds should be smoothed all over with a spackling paste.
Concrete	Remove oil residue, dust and dirt.
Breeze block	Remove dust and dirt. If necessary, smooth the complete surface with a spackling paste.
Clay- and face masonry	Remove dust and dirt.
Old slightly chalky paint	Brush with a wire brush and remove dust.
Distemper or not sustainable coat	Remove completely, wash and dry.
Hardboard	Remove any residual separation agents with suitable agents.
Gypsum board and Gypsum fiber board	Check joints for tightness.

Application

Stir the concentrate thoroughly. As a general rule dilute 1 to 1 with lukewarm water. Add water gradually while stirring. GRAVA No. 408 must be diluted until there is no visible film development after the application. Please do a test application on the surface to be treated. For highly absorbent surfaces such as clay, or lime plaster, apply GRAVA Wall Primer Sealer No. 408 either undiluted, or slightly diluted with water (20%).

Important tips

As surface preparation before wallpapering, apply a mixture of LAVO Natural Wall Paper Paste No. 535 and GRAVA Wall Primer Sealer No. 408 (diluted with 20% of water) at a ratio of 1:1. Nicotine or water spots can be blocked out with REMIO Natural Stain Blocking Primer No. 618. Chip-boards, plywood, OSB-boards, or material containing penetrating substances and should be primed with REMIO Natural Stain Blocking Primer No. 618. If REMIO is used, it is not necessary to prime with GRAVA. In case of salt deposits, a professional must be called in to specify and correct the problem before sealing the wall. Possible separation of the product does not impair the technical quality.

These directions are the result of long years of research and practical testing. They are backed by our most current expert information. New findings may invalidate this information. The latest version is available on our website at www.livos.de. This data sheet is meant to serve as information and instruction. No legal liability should be interpreted from it. In case of doubt, please contact the retailer, wholesaler, or manufacturer.