MAPEI

GEV-EMICODE EC 1 PLUS very low emission

CE EN 13813

Latexplan Trade
Two-part Smoothing / Levelling compound

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WHERE TO USE
Latexplan Trade is used for levelling and smoothing differences in thickness of 3 to 10 mm (in one application) on new and existing substrates to prepare them for any type of flooring installation.

Latexplan Trade is suitable for areas subject to chairs with castors.

Typical applications
Smoothing concrete floors, cement based screeds, **Mapecem** and **Topcem** screeds.
Smoothing existing flooring in concrete, terrazzo, ceramic tile, natural stone.

TECHNICAL CHARACTERISTICS
Latexplan Trade is a two-part smoothing compound that consists of a grey powder (part A) containing special cements, graded silica sands and additives to be mixed with a synthetic rubber latex (part B).

Latexplan Trade can be walked on after approximately 1½-2 hours and is ready for installing flooring after about 12 hours, depending on the thickness and the ambient temperature.

Latexplan Trade has a very low odour making it suitable for use in confined and inhabited areas, where working and/or occupation must be maintained.

Suitable for use under a damp proof membrane such as **Mapeproof ESM**, where residual or static moisture is present.
For the best results **Latexplan Trade** should be mixed without extra latex or water being added.

Preparation
The subfloor must be clean, structurally sound, free from grease, oil, paint and plaster residues, surface laitance and contamination, including surface hardeners and additives that may compromise the bond.

Priming
On highly porous and absorbent surfaces, a coat of primer prior to the application will prevent pinholes / air bubbles within the surface, providing a smooth even finish.

Eco Prim T acrylic primer may be used on all absorbent and non-absorbent substrates. On difficult and non-absorbent surfaces the use of **Eco Prim Grip** primer will ensure perfect bonding.

Do not prime when **Latexplan Trade** is to be used beneath a surface membrane such as **Mapeproof ESM**.

Mixing
Mix 25 kg of **Latexplan Trade** part A powder into 5 kg of **Latexplan Trade** part B liquid.

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TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
PART A	
Consistency:	fine powder
Colour:	cement grey
Dry solid content (%):	100
Bulk density (kg/m³):	1400
Flammable:	no
PART B	
B: LIQUID	
Consistency:	runny liquid
Colour:	white
Dry solid content (%):	9
Specific gravity (g/cm³):	1.05
Flammable:	no
EMICODE:	EC1 R Plus - very low emission
COMPOSITION AND PROPERTIES OF THE MIXTURE	
Mixing ratio:	5 kg of **Latexplan Trade** liquid with 25 kg of **Latexplan Trade** powder
Thickness per coat:	3 to 10 mm
Density of mix (kg/m³):	2000
Application temperature range:	+5°C to +35°C
Workability (at +23°C):	20-30 minutes
Setting time:	45-60 minutes
Set to light foot traffic:	after 1½-2 hours
Time before laying floorcovering:	12 hours
FINAL PERFORMANCE DATA	
Compressive strength (N/mm²): **– after 1 day:** **– after 7 days:** **– after 28 days:**	 7 20 26
Flexural strength (N/mm²): **– after 1 day:** **– after 7 days:** **– after 28 days:**	 3 6 8
Resistance to abrasion after 28 days:	3 g

The **Latexplan Trade** part B liquid container should be shaken, poured into a clean mixing container and the **Latexplan Trade** part A powder added gradually whilst continually stirring with a mixing paddle and slow speed drill. The mixed mortar has a working time of approx. 20-30 minutes at +23°C.

Do not add more liquid or water to the mix once it has begun to set.

Application
The mixed material is poured onto the prepared subfloor and spread with a smooth edged trowel to the required thickness in one operation. Additionally the use of a spiked roller will ensure a smooth even finish that will not require any further attention prior to the floorcovering being installed.

The correct mix permits any application from featheredge to 10 mm, although for the best results a minimum 3 mm application is recommended.
(Apply at a minimum floor temperature above +5°C.)

Drying
At normal temperatures **Latexplan Trade** will take light foot traffic after 1½ to 2 hours, and accept bonded floorcoverings after 12 hours.

A room temperature of +13°C - +18°C should be maintained with a subfloor temperature of at least +5°C (good ventilation will considerably assist drying times, but avoid strong draughts).

Cleaning Equipment
All tools and mixing containers should be washed and cleaned immediately after use before the material hardens.

Coverage
One unit will cover approximately 6 m^2 at 3 mm thickness.

Storage
Latexplan Trade part A has a storage life of approximately 12 months if stored in dry conditions.
Latexplan Trade part B has a storage life of approximately 24 months if stored in dry conditions and protected from frost.
Latexplan Trade part A complies with the conditions of regulation (EC) N 1907/2006 (REACH), Annex XVII, item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Latexplan Trade part A contains cement that when in contact with sweat or other body fluids causes irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to eyes.
Latexplan Trade part B is not considered as dangerous according to the current regulation regarding the classification of mixtures. We recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.
For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data sheet.

PRODUCT FOR PROFESSIONAL USE.

N.B.
Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.
End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.uk

LEGAL NOTICE
The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.
The most up-to-date TDS can be downloaded from our website www.mapei.co.uk.
ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

GEV-EMICODE EC 1 PLUS very low emission

This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

GREEN INNOVATION

Our Commitment To The Environment
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

All relevant references for the product are available upon request and from www.mapei.co.uk

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