

Livigum

High-performance synthetic resin-based latex in water dispersion added to smoothing compounds and cementitious mortar to improve their mechanical characteristics and adhesion



WHERE TO USE

Preparation of smoothing compounds and cementitious mortar to improve their mechanical characteristics and adhesion. Preparation of render to improve its adhesion, mechanical characteristics and resistance to abrasion. Priming surfaces before applying cementitious levelling systems.

Some application examples

Livigum is used for preparing:

- skimming and levelling compounds, including pre-blended compounds such as **Pianocem M**, to improve their compressive strength and resistance to abrasion;
- cementitious render to improve its workability and adhesion;
- priming surfaces to improve the adhesion of smoothing compounds and cementitious render on old, dusty or porous cementitious substrates and between layers of smoothing and levelling compounds.

TECHNICAL CHARACTERISTICS

Livigum is a white synthetic resin-based latex. When mixed with Portland cement and aggregate-based compounds (smoothing compounds and cementitious mortars), it improves their workability and adhesion, resistance to abrasion and water retention capacity, reduces cracking, creates a more compact mix, reduces water absorption and eliminates the formation of surface dust.

Livigum improves the adhesion of cementitious mortars on existing cementitious screeds and render.

Livigum has no effect on the hydration times of cementitious mortar.

RECOMMENDATIONS

- Do not use **Livigum** to make skim coats on wooden surfaces (use **Nivorapid** or **Planipatch** mixed with **Latex Plus**).
- Do not use neat to prime surfaces (dilute according to the absorbency of the substrate).
- Do not use **Livigum** to waterproof surfaces.
- Do not apply on surfaces immersed constantly in water.

APPLICATION PROCEDURE

Preparation of the substrate

All surfaces to be skimmed or rendered with a product mixed with **Livigum** must be solid, clean and dry and must be free of loose portions and all traces of grease, oil, form-release agents, paint, dust, gypsum, old adhesive and any other substance that could prevent it adhering. If the substrate on which it is to be applied is damaged or deteriorated, demolish all the damaged areas either manually or mechanically and repair the substrate with a suitable MAPEI product (refer to the relevant Technical Data Sheet).

Preparation of the product

Follow the usual procedure for cementitious mixes (unless a pre-blended product is used), particularly the size of the aggregates, water-cement ratio and the amount of cement.

1. Preparation of skim layers and render up to 10 mm thick.

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TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	liquid
Colour:	white
Density (g/cm ³):	1,100
pH:	7
Dry solids content (%):	45
Brookfield viscosity (mPa-s):	10,000 (# 4 - 10 rpm)

APPLICATION DATA (at +23°C - 50% R.H.)

Application temperature:	from +5°C to +35°C
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Dilute **Livigum** with water at a ratio of 1:2. Use this solution to mix the aggregates and cement.

CONSUMPTION: approximately 90 g/m² of **Livigum** every mm of thickness of skimming compound and mortar.

2. Preparation of skim layers and render up to 20 mm thick.

Dilute **Livigum** with water at a ratio of 1:3. Use this solution to mix the aggregates and cement.

CONSUMPTION: approximately 60 g/m² of **Livigum** every 1mm of thickness of skimming compound and mortar.

3. Admixture for **Pianocem M**.

Partially replace the mixing water with 1.5-2 kg of **Livigum** every 25 kg bag.

CONSUMPTION: 1.5-2 kg of **Livigum** every 25 kg bag of **Pianocem M**.

4. Primer for cementitious substrates.

Dilute 1 part of **Livigum** with 3-5 parts of water, according to the absorption of the substrate.

CONSUMPTION: approximately 50-80 g/m².

Cleaning

Clean tools and hands with plenty of water before the product sets. Once dry it is much more difficult to remove the product, but is easier if solvent such as white spirit or a similar product is used.

PACKAGING

Livigum is available in 5, 10 and 25 kg drums.

STORAGE

12 months in its original, unopened packaging in normal storage conditions. Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Livigum is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend taking the usual precautions for handling chemical products. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

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

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



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