

INSULATING PLASTER



PBIP is a factory mixed dry plaster following European standard DIB 18550 and DIN 18555, and has been formulated for use as an insulating plaster.

A machine plaster, PBIP can be applied directly onto all masonry substrates including bre-cement sheet.

Preparation:

The substrate must be of sound nature, free from dust and loose particles, from release oils and other contaminants which could affect adhesion and bonding strengths of subsequent coatings.

Substrates with voids, defects and uneven surfaces do not require special preparation.

In the case of smooth concrete a key (PBMR) must be applied prior to the application of PBIP. Contact Plastabrick NZ Ltd for specific application details.

Application:

With excellent adhesion and having favorable compression/flexural strength ratio PBIP is suitable for commercial plastering machines or manual application (drill or machine mixed.) PBIP can be used as a basecoat on rough concrete, concrete block or bre-cement sheet at a thickness of 10mm – 100mm.

In areas of known or potential stress such as door or window lintels, dissimilar substrates, panel deflection due to win loading etc, we recommend the use of Fibreglass Mesh breglass reinforcing mesh embedded wet-in-wet in the plaster or in a separate meshcoat (PBSR). Ensure that the breglass mesh is trowelled in such a way that it remains towards the exterior of the surface of the plaster and that it is overlapped at least 100mm where it is joined.

During setting the applied areas may be screeded and cut. Once the required straightness and surface has been achieved, and following sufficient drying time, further coats of plaster can be applied. Before applying further coats of plaster, seal PBIP with Plastabrick NZ Ltd's masonry sealer. It is recommended that 'h' profile straight-edges be used with this product for best results.

Coverage:

Depending on the substrate, a 25kg bag PBIP yields approximately 1.4 square metres at 25mm thickness.

Important:

Do not under any circumstances add foreign substances other than clean water to premixed mineral plasters.

PBIP should not be applied to wet or green cementitious substrates before a reasonable drying/curing period.

Allow a reasonable drying time prior to applying Plastabrick Masonry Sealer and/or further coats of plaster. If necessary, contact Plastabrick NZ Ltd for further information on drying times.

Technical:

PBIP is manufactured using selected grades of lime, cement, perlite and mineral additives. Particle size range is 0-2.0mm.

PBIP has a high water vapour permeability (breathing activity).

Where a resistance rating is required please contact Plastabrick NZ Ltd.

Insulation Data for Gib lined or internally (gypsum) plastered 200mm concrete block wall (combined R-value=0.368)
+ varying thickness of PBIP

Thickness PBIP	R- Value
10mm	0.48
20mm	0.59
30mm	0.70
40mm	0.81
50mm	0.92
60mm	1.04
70mm	1.15
80mm	1.26
90mm	1.37
100mm	1.49

Storage:

PBIP is packaged in 25kg paper bags, and can be stored for up to six months.