



Decorative coatings:

Decorative coatings applied to the surface of Promat board products should comply with the requirements of Approved Document B (appendix A) of The Building Regulations, in terms of contribution to the fire loading and the rate of surface spread of flame.

Surfaces should be dry, free of oil, loose surface layers and dust. If required, screw holes and board joints may be filled with Promat Ready-mixed joint filler and sanded accordingly. If corners of the encasement require protection, plastic dry wall corner beading can be used.

Paint

Typically water based paints such as emulsions, may be used with a watered down first coat to seal the surface. Alternatively other paint types may require a proprietary sealer, primer or undercoat depending upon the paint system. Consult with the paint manufacturers for their recommendations for use on calcium silicate boards.

Wall paper

When papering Promat calcium silicate boards, size the surface to seal against suction and improve slip, then hang papers or vinyls in the normal way.

Plastering – SUPALUX®, MASTERBOARD®, PROMATECT®-250 and VERMICULUX Boards:

Promat fire protection boards have a high suction and therefore it is generally difficult to apply gypsum plaster. If plastering is essential please consult the Promat Technical Services Department.

It is recommended that a small test area is plastered initially to ensure that the boards have been adequately sealed. It is advisable that a self-adhesive glass or hessian scrim is applied over joints and internal angles. Paper jointing tape is not recommended.

If a skim coat is desired:

- Apply a sealing coat of diluted universal primer / PVA (1 part PVA & 5 parts water).
- Sealing coat should be allowed to dry thoroughly (approximately 24 hours).
- Apply bonding coat (3 parts PVA & 1 part water).
- Apply plaster skim (maximum 5mm thick) while the bonding coat is wet and tacky.

The plaster manufacturers recommendations for skimming onto high suction surfaces should be followed at all times.

AUTHORITY: Promat Recommendation - Based on in-house knowledge and technical experience

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Plastering - VICUCLAD® Board:

Adhesion of plaster to VICUCLAD® is excellent. Apply either a one 5mm coat of finish coat or a two-coat application of bonding coat and then finish coat. Although not required for bonding purposes, a PVA coating can be used on the board to retard the setting time of plasters. The plaster manufacturers' recommendations should be followed at all times.

Tiling – SUPALUX® and MASTERBOARD®:

MASTERBOARD® and SUPALUX® can be tiled with ceramic, marble, granite and natural stone tiles. In order to tile successfully, the following guidelines must be followed.

Note: Do not use Masterboard or Supalux as a tile backer where they form part of a fire resistant construction.

Support:

Vertical timber supports (minimum 50mm x 50mm) or steel studs should be installed at maximum 400mm centres and all board joints must be supported.

Board preparation and fixing:

The minimum board thickness to be used should be 9mm. The boards should be sealed on both faces with PVA or watered down tile adhesive and allowed to dry. Fix the boards, preferably with back (textured) face outwards, to the supports at 200mm centres. The screws should be countersunk and corrosion resistant. The tiles should then be fixed using standard tile adhesive.

Maximum tile weight: 30kg/m².

Tiling – VICUCLAD® Vermiculite board

Tiles can be applied directly to VICUCLAD® using VICUBOND® WR adhesive.

Tiling – VERMICULUX® and PROMATECT® -250 Beam and Column Encasement

VERMICULUX® is not a suitable surface for tiling, and tiles should not be fixed directly to the fire protection board. Tiles around Promat beam or column encasements should be fixed to a separate frame/ board system, supported independent of the beam or column.

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