

TECHNICAL BULLETIN – TB212

THE ARDEX MOISTURE BARRIER SYSTEM

USED WITH PATCH MORTAR

Date, Thursday, 11 July 2013

INTRODUCTION & SCOPE

This technical bulletin is an adjunct to the standard Ardex Moisture Barrier systems described in Technical Bulletins TB006, TB170 and TB172 which use the liquid smoothing cements. The systems described in this bulletin use the patch mortars Ardex A45, A30 and A46.

In situations where a new concrete slab has been laid, the residual water in the concrete, called 'construction moisture' can create problems for subsequent floor coverings. This loss of residual moisture is such that the concrete achieves an acceptable degree of moisture content after anywhere from three to six months may elapse before the concrete is dry enough for floor coverings to be laid. The other situation is where the subfloor suffers from continuous moisture due to rising damp.

SYSTEM

The floor must be mechanically prepared to remove any laitance, curing compounds or other residues left over from the concrete pour. The concrete surface must be porous and not steel trowel or burnished finish.

1. Apply one coat WPM300 by roller at 3m²/litre. Cure for two hours
2. Apply second coat at 3m²/litre. Whilst WPM300 is still wet broadcast 0.5mm clean dry sand over surface at ~700g/m².
3. Cure overnight and broom and vacuum excess sand off. Apply by steel trowel any of the above listed patch mortars to achieve a thickness of approximately 3mm minimum to have sufficient for good surface porosity and hiding of the surface irregularities. Cure time is extended compared to application over porous concrete.

Notes:

- 1) Whilst these mortars will perform in a similar manner to liquid smoothing cements, some detailing is more easily performed by materials that flow, for example around plumbing fittings, so a combination of methods may be required.
- 2) Ardex Feather Finish and the related product Fine Finish can be applied in this way, whereas they should not be applied directly to the WPM300, or to Ardex P82 primed WPM300. However, application of these two fine mortars over sand seeded WPM300 is not recommended under membranes as part of the 'Wet Area Vinyl System' and does not guarantee a porous surface unless a thickness >1.5-2mm is achieved for more general applications.

IMPORTANT

This Technical Bulletin provides guideline information only and is not intended to be interpreted as a general specification for the application/installation of the products described. Since each project potentially differs in exposure/condition specific recommendations may vary from the information contained herein. For recommendations for specific applications/installations contact your nearest Ardex Australia Office.

DISCLAIMER

The information presented in this Technical Bulletin is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of a product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

REASON FOR REVISION - ISSUER

24 month review. Addition of Ardex A30. Information concerning Feather and Fine Finish.

DOCUMENT REVIEW REQUIRED

24 months from date of issue

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