

# TECHNICAL BULLETIN – TB226

## ARDEX CONSTRUCTION DETAIL BANDAGE.

Date – 15<sup>th</sup> February 2021.

### INTRODUCTION & SCOPE.

This bulletin details the procedure to follow for installation of “Ardex Construction Detail Bandage” in conjunction with Ardex WPM001, 002, 155R and 908 membranes over expansion and construction joints externally.

This bulletin includes application of a light duty trafficable membrane on internal and external tongue & groove fibre-cement sheeting.

### DESCRIPTION OF CONSTRUCTION DETAIL BANDAGE.

1. Material: Roll dimensions: 140mm overall width X 30 lineal metres.
- (a) substrate: polypropylene non- woven cloth.
  - (b) coating: thermoplastic elastomer.



### 2. Application:

- 1) Internal/external movement and construction joints.
- 2) If used externally, the bandage must be totally covered by a membrane or a tiling system. No direct exposure to UV light.

### SURFACE PREPARATION.

All surfaces should be dry, clean and free of dust, grease and all loose contaminating materials. Existing coatings to be removed totally by mechanical means of surface preparation.

Joints between sheets, perimeter joints, construction joints and any movement joints including mobile cracking should be sealed with a suitable and compatible sealant, e.g., Ardex “ST” neutral cure silicone and allowed to cure.

## SYSTEM INSTALLATION/PROCEDURE.

### EXTERNAL MEMBRANE

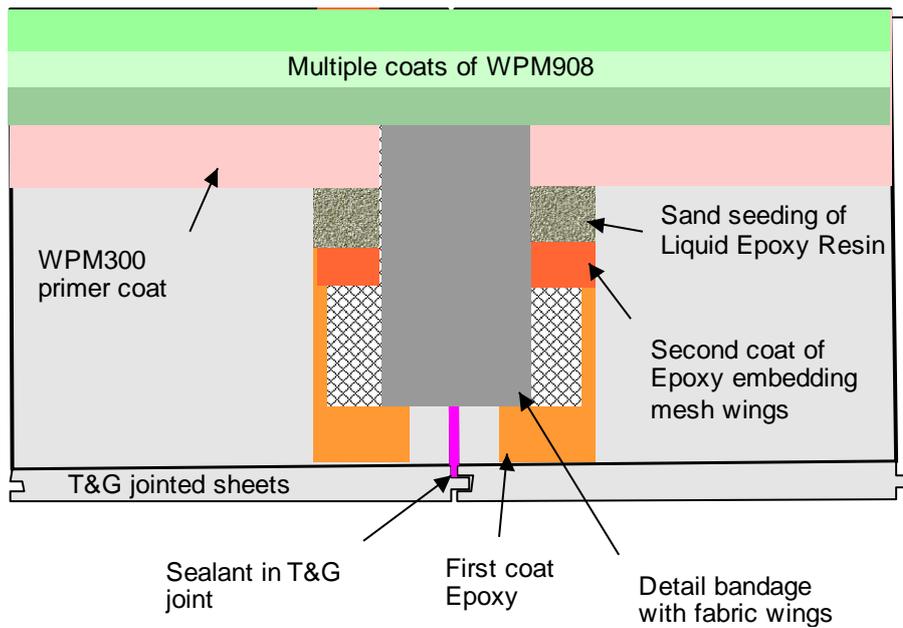
1. All areas to receive the "rubber bandage" must remain dry.
2. Install temporary masking tape over the expansion joints so as to define an area of free movement for the bandage of approximately 50mm wide.
3. Mix ARDEX EG15 or ARDEX EG800F (part A and B) in the ratio of 2:1.
4. Add sufficient Portland Cement to the blended ARDEX EG15 or ARDEX EG800F form an "icing sugar" consistency. Amount mixed must be applied within 15-20 minutes.
5. Lay a bed of ARDEX EG15 or ARDEX EG800F resin-cement blend onto the concrete surface to the sides of the temporary masking tape (approx. 50mm either side).
6. Remove the masking tape.
7. Immediately position the Ardex Construction Detail Bandage. The wide polypropylene wings are embedded into the resin-cement. This means the tape is placed with the widest rubber strip facing up. Take special care that no resin-cement blend is to be under the 50mm free area of the band.
8. After embedding the wings into the ARDEX EG15 or ARDEX EG800F remove excess from the surface of the band. Tool off to give a smooth finish.

The coverage is approximately 200mL of mixed material per metre (assuming 2mm thick of resin/cement mix 50mm wide each side of the central stripe).

9. Sprinkle/cover the wet ARDEX EG15 or ARDEX EG800F with 0.50mm dry clean sand and allow to cure for 48hours.(protect from anticipated damp/wet conditions whilst curing)
10. If overlaps are necessary, then follow Step 5,6,7,8 above including:  
Coat between the rubber band overlap (minimum 50mm) with ARDEX EG15 or ARDEX EG800F and work the overlap joint so the adhesive will bleed out at the exposed edge. Cover/sprinkle the wet joint with sand as above.

Exposed concrete areas to be primed using WPM300 primer and allowed to cure overnight. (minimum 12 hours).

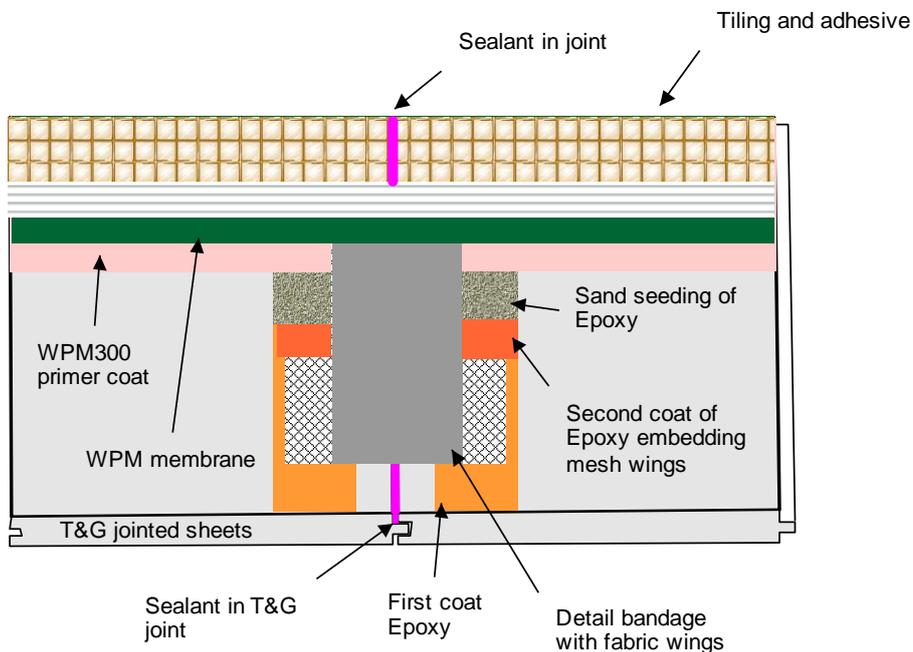
Apply WPM908 membrane as per data sheet to an acceptable aesthetic finish (schematic below shows application for T&G thick fibre-cement floor sheets; i.e. James Hardie Scyon™ Secura™, Cemintel Constructafloor™, BGC Durafloor™ and Inex magnesia board.



Schematic for application of WPM908 onto T&G sheeting

### TILING

If to be tiled over, apply WPM001, WPM002 or WPM155 membrane as per data sheets and use compatible ceramic tile adhesive. The next schematic gives the general system to be followed for T&G type floor sheeting.



Schematic for application of WPM001/155R or 002 with tiles onto T&G sheeting

Do not tile across any movement/expansion joints. These joints must be expressed directly above into the tiling system forming a flexible joint filled with a suitable flexible sealant.

**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 or ARDEX New Zealand 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 – SW**

EPOXY RATIO WAS WRONG

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