

TECHNICAL BULLETIN – TB250

PRIMER – BONDING BRIDGES FOR A48 SCREEDS

Date, Thursday, 1 February 2018

INTRODUCTION & SCOPE

This bulletin describes the acceptable bonding bridge – primer coat additive that can be used with ARDEX A48 pre-blended and bagged engineered screed applied onto a masonry substrate.

Note: The A48 bonding bridge is not mixed in the same way as the A38 system described in TB248; do not dilute the A48 blend with extra aggregate to make the slurry coat.

SYSTEM

The A48 powder is used as the bonding bridge straight from the bag.

The mixed powder is then formed into a fluidic brush-able slurry with one of the following gauge solutions:

ARDEX P51 – 1 part P51 diluted with 1 part water

ARDEX Multiprime – 1 part Multiprime diluted with 1 part water

ARDEX Abacrete – Use at full strength undiluted.

The amount of total gauge liquid will vary according to which water/additive mix is used.

WITH A MOISTURE BARRIER / EPOXY BASE COAT

Where a moisture suppression system or basal epoxy coat is required, either of the following can be used;

- a) ARDEX WPM300 applied in two coats at $3\text{m}^2/\text{l}$ per coat. Drying time between coats is around 5-6 hours minimum. The second coat is sand broadcast with either ARDEX Primer sand or kiln dry and dust free 0.3-0.5mm Quartzose sand to at least $700\text{gms}/\text{m}^2$.
- b) ARDEX EG15 or EG800F epoxy resin applied at $3\text{m}^2/\text{l}$. The coat is sand broadcast with either ARDEX Primer sand or kiln dry and dust free 0.3-0.5mm Quartzose sand to at least $700\text{gms}/\text{m}^2$.

After the epoxy has dried the excess sand is broomed and vacuumed off the surface.

Prior to installing the A48, a slurry coat bonding bridge of the type mentioned above is applied over the broadcast sand surface. The A48 is then applied to the bonding bridge wet on wet.

The same sand broadcast and bonding bridge requirements apply when the injection resin and stitching systems are employed for repairs to the slab. It needs to be recognised that slight colour shifts may be visible over crack repairs due to differences in porosity between the treated areas and the main concrete.

QUALIFICATIONS

The following materials have NOT been approved for use with ARDEX A48 in this priming-bonding bridge application, and therefore shall not be used.

ARDEX WR primer

ARDEX WPM405

ARDEX E25

ARDEX E90

ARDEX Abalastic

ARDEX Abacrete diluted

This bulletin is issued as a technical opinion based on the performance of the tested systems for ARDEX A38 described in TB248.

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 - ISSUER

Addition of references to the use of epoxy coatings on the subfloor prior to placement of engineered screed.

DOCUMENT REVIEW REQUIRED

5 years from issue

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