



TECHNICAL BULLETIN – TB248

Primer – Bonding Bridges for A38 Screeds

January 2025

INTRODUCTION & SCOPE

This bulletin describes the acceptable bonding bridge – primer coat additive that can be used with ARDEX A38 engineered screed when applied to masonry substrates.

The A38 shall be used with the prescribed ARDEX supplied sand-aggregate mix, or a field alternative that has been approved by ARDEX for use with the A38 base powder.

SYSTEM

The A38 powder is mixed with 1:1 with the gravel mix in the dry state.

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 3m²/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 700gms/m².
- b. ARDEX EG15 or EG800F epoxy resin applied at 3m²/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 700gms/m².

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

Prior to installing the A38, a slurry coat bonding bridge of the type mentioned above is applied over the broadcast sand surface. The A38 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 recognise 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 A38 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

**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

ARDEX Logo and address update.

REVIEW REQUIRED

36 Months from date of issue

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