



## CrossLinker QXD™

Penetrating, chemically bonded primer system for the Fortress XD Balcony system and other topcoat applications.



**Zirconia's CrossLinker QXD** is the catalyst/crosslinking agent that penetrates into and chemically bonds with concrete, creating a superior primer/bonding surface for the Fortress XD™ Balcony system, as well as caulks, sealants, or other compatible topcoats. CrossLinker QXD creates a moisture barrier that will not chalk, peel, or delaminate, and creates a strong bonding layer for Fortress XD.

**Surface Preparation:** CrossLinker QXD is to be applied only over properly prepared, dry concrete or dry and fully cured CeramycGuard™. Ensure surface has no oil, dust, grease, dirt, loose rust, and other foreign material present to ensure adequate adhesion.

To check that CeramycGuard is ready to accept CrossLinker QXD, test using a clean and damp white rag, by wiping at several random areas. The rag should come away clean, or with only a very light residue. If CeramycGuard can be wiped away, check ambient temperature and humidity to make sure the environment is within the recommended application conditions and allow the coating to cure another 24 hours. Refer to CeramycGuard TDS for more details.

**Application:** Application must achieve a saturation coat of the application area, at 1-2 mils wet film thickness, with a 1/4 to 3/8-inch nap shed-free roller cover. Coverage per gallon is typically 300-400+ sq ft, varying based on porosity and surface profile. It is recommended to apply using a crosshatch pattern with 50% overlap. Use spiked shoes to walk the floor and reapply as needed where material is absorbing and leaving lighter/matted areas. Reapplication should continue until uniform saturation (~1+ mils) is maintained. Fortress XD, or any sealants, caulks, or other topcoats must be applied over a tack-free surface, and within 2 hours.

**Recoat:** 0-60 mins    **Topcoat:** < 2 hours

Mask off areas of unwanted coverage, plan for cut in brush if area cannot be adequately masked off and concealed. Keep material sealed when not in use; material ages quickly once opened and should be used same day.

If an application cannot be finished in one day, take care to apply only as much CrossLinker QXD as needed for any remaining area to be top-coated with Fortress XD. Any unused CrossLinker QXD can be sealed and reused the following day.

If the topcoat window is exceeded, CrossLinker QXD must be allowed to cure until next day and sanded back down to concrete, before recoating the area. Existing topcoat can also be lightly sanded at the edge, so that CrossLinker QXD and subsequent Fortress XD can be blended (feathered) in.

**Application Conditions:** Ambient Temperature: 45°F - 85°F; Relative Humidity: 20% - 85%

We recommend using a HOBO MX 1101 or similar measuring device to capture and record temperature & humidity information before, during, and at the completion of installation to ensure curing conditions have been properly met:

**Drying Schedule @ 1 mil dry thickness @ 50% RH**

	<u>55°F</u>	<u>70°F</u>	<u>85°F</u>
<b>To Touch:</b>	30 minutes	30 minutes	30 minutes
<b>To Topcoat:</b>		<2 Hours	

*(Drying time is temperature, humidity, and film thickness dependent).*

**Pot Life:** 1 year

**Shelf Life:** 1 year from date of delivery when stored in original, unopened container indoors at 35°F - 100°F

**Flash Point:** 14° F

**Packaging:** 1 gallon/3.785-liter (300 - 400 sq.ft.)

**Clean Up:** Clean sprayer and tools thoroughly with acetone after application to remove all leftover material. Safety Precautions: Always read the Safety Data Sheet (SDS) before use. Wear safety glasses to protect eyes, gloves, respirator, or other protective gear as necessary to avoid exposure to eyes, mouth, skin and other sensitive areas of the body.

**Recommended uses:** CrossLinker QXD can be used as an adhesion promotor for Fortress XD or other compatible topcoat systems, caulks, or sealants.

**Warranty**

Zirconia warrants (i) its title to the product, (ii) that the quality of the product conforms to Zirconia's standards at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT ZIRCONIA MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY ZIRCONIA. Any claim under this warranty must be made by Buyer to Zirconia in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify Zirconia of such non-conformance as required herein shall bar Buyer from recovery under this warranty. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Zirconia. Zirconia is not responsible for any consequential damages.

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