

Crosslinking Mica's Urethane Products with CX-100

If higher bonds, better adhesion to substrates or improved water resistance is desired, Mica's urethane products can be crosslinked with a water-based curative, such as CX-100⁽¹⁾. This Primer Intelligence article will explain how to successfully prepare, mix, and add CX-100 to Mica's urethane primers.

Method

1. Dilute the CX-100 with water (1:1) by weight. Once the water is added, the mixture will separate into two layers; one cloudy, and one clear.
2. Mix the solution by gently stirring. The mixture will be cloudy at first, but it will become clear over time (it could take up to 15 minutes for the mixture to become clear, depending on how much is being mixed).
3. When the mixture is clear, it is ready to be added to the primer⁽²⁾. Add the CX-100 mixture directly into the primer dispersion and gently mix it again. The primer is now ready to be used. Refer to the product's technical data sheet for recommended starting points for development, primer application methods, techniques, handling information, and more.

Notes

⁽¹⁾ CX-100 is a polyfunctional aziridine crosslinker. It can be purchased directly from the manufacturer, DSM NeoResins (NeoResins.com). Follow all handling and safety instructions from the supplier.

⁽²⁾ For best results, use within 8 hours of mixing.

Contact Us

If you still have questions about using a crosslinker with MICA products, or if you need help using a different crosslinker, please contact your Mica Technical Sales Representative directly, or call us at (203) 922-8888.