

TECHNICAL BULLETIN

Tech's Educational & Work Sharing Newsletter

2018-08

To: All POLYGLASS Users
CC: POLYGLASS Sales & Technical Services Personnel
Date: August 7th, 2018
From: Armando Rodriguez
National Technical Services Manager - Coatings

Re: Applying Acrylics in High Humidity

As a water-based product, standard acrylic coatings go through a drying process. One of the components of this process is evaporation. By design, water is meant to be the first component to evaporate. In high humid climates, this process will be prolonged. Humidity relates directly to the amount of water vapor in the air. This high concentration of moisture will slow down or, when high enough, completely stall the evaporation of water from the coating. In other words, the coating will take longer to dry. Until it is allowed to dry, the coating is not rain or even dew resistant. Combine high humidity with loss of sun and the coating applied on one day could still be wet the next morning.

Here are some factors to avoid when using standard Acrylic Coatings:

1. Applying the coating when the relative humidity is above 84% or will likely be above 84% shortly after the application.
2. Applying the coating when the dew point is within 5°F of the ambient temperature, where condensation is therefore likely to sit on the freshly applied coating.
3. Applying the coating when rain is likely to occur.

Special circumstances and questions should be addressed to Polyglass Technical Services Department technical@polyglass.com

