

## Application Factors

Applying Rhino can be a very quick and easy process when quality assurance measures are followed. Be sure to follow these steps to ensure a perfect application every time.

**Avoid moisture.** Make sure containers are tightly sealed, so that atmospheric moisture will not contaminate the material. Also make sure that the temperature of the substrate is 5° F (3° C) above the dew point, so that there will be no moisture on the surface to be lined.

**Check age of material.** The recommended shelf life of 100% solids polyurethanes is six months. Materials older than six months should be agitated thoroughly and applied in a test patch before full application is attempted.

**Monitor product, surface and ambient air temperature.** Isocyanates should be continuously stored in an equipment room that is 75°-85° F and below 40% relative humidity. Resin should be warmed in this equipment room three days prior to application. The application area should be above 70°, and the surface to be sprayed should be between 60° and 110° F. Make sure a non-fossil fuel burning heater(s) is readily available in case it is needed to raise the temperature of the spray area prior to application.

**Avoid over mixing the resin.** Resin should be agitated at a rate of one minute per gallon prior to spraying. Agitating within the recommended time period will keep excess air out of the material, enabling you to produce a smooth, top quality lining.

**Check the ratio of isocyanate to resin prior to spraying.** To check the ratio, simply remove the cap from the gun fluid manifold and open the isocyanate and resin gun valves. Turn the proportioning pump on. Pour each liquid into its own styrofoam cup until the resin cup is half full. Weigh the isocyanate cup and divide the result by the weight of the resin cup. The ratio of Rhino Linings materials should be between .58 and .62.