

Guidelines for Storage and Application Conditions of Powder Coatings

STORAGE

We recommend maximum temperatures of 25 °C for the storage of our powder coatings in the original container, and for acrylic powder coatings a maximum of 23 °C. Under these conditions the systems can be used up to the best before date specified on the product label. Storage with exposure to direct sunlight should always be avoided.

Storage at higher temperatures up to 30 °C or beyond the specified period does not necessarily mean that the powder coating is rendered useless. However, it is imperative for reasons of quality assurance that the properties required for the respective application purpose be checked in this case.

APPLICATION

It is advisable to condition the air balance for application. We recommend an application window in the booth with a maximum of 70 % rel. humidity and 15-25 °C. In our experience, briefly exceeding the ambient temperature by up to 30 °C should not be critical. However, exceeding 25 °C for longer periods can result in increased sintering on in hoses, injectors and nozzles or even in surface deformations. A relative humidity of over 80 % must always be avoided.

Nor should a powder coating be subjected to drastic temperature changes in order to avoid the formation of condensation. For example, powder stored dry and very cool in the original container should not be applied directly in a warm room with high humidity.

Additional information is available in our safety and technical data sheets.