

## **Technical bulletin 3**

### **Application of Floor coating during winter**

Era Polyurethane Timber floor coatings have been designed so they may be used anywhere in Australia throughout the year. However, due to the variety of climatic conditions between regions and the seasonal changes, if these coatings are applied during the winter months some precautions may be necessary.

Drying of Polyurethanes Coatings is influenced by:

- Temperature
- Humidity
- Airflow
- Film Thickness

The recommended application window for 1-Pack Moisture Curing Polyurethane is approx. 12-30C and 40-80% relative humidity. With an optimum of 25C and 60% relative humidity

Details on drying of Moisture Curing Polyurethanes are described in Technical bulleting 6

#### **Temperature**

A significant drop of application temperature slows down the drying and curing process of the applied Polyurethane coating.

The temperature during winter is often below 12C especially in the morning and late afternoon.

Note: Temperature on the floor can be significantly lower than the surrounding air temperature and the temperature of the coating material stored in a van overnight can be extremely low.

The flowing problem can be caused if the material is applied at low temperature.

-Drying and curing is affected. Tack free time and recoat time is longer compared with normal conditions, It may take up to 24hr or even longer under extreme conditions



Era Polymers

For further information please call (02) 9623-5200

