



Product Technical Data Sheet **PU 30 Water-proof moisture curing adhesive**

Effective Date: 1st December 2022

Description:

PU 30 is a fast-setting, moisture-curing, one-part polyurethane adhesive and has been developed for bonding a large variety of substrates where a high bond strength is required, combined with excellent heat resistance and water resistance. Suitable substrates include wood flooring panels, pre-treated metals such as galvanised steel, high-grade steel, undercoated steel, aluminium, non-ferrous metals, as well as thermosetting plastics, DKS, PS, GF-polyesters, rigid PVC, ABS, wood and cementitious materials.

Technical characteristics:

Chemical composition:	Polyurethane-prepolymer.
-Appearance:	Brown liquid
-NCO content:	Approx. 15.5-16.5%
-Density:	Approx. 1.13 g/cm ³ (T=25°C).
-Viscosity:	Approx. 2.000 -5.000 mPas* (T=25°C)
-Skin time:	Approx. 13-18 minutes (T=25°C).
-Tensile strength:	Aluminium -Aluminium 10 N/mm ²

-Products manufactured with this adhesive will meet the DIN EN 204 D4 grade waterproof requirements.

*The indicated viscosity is based on a temperature of 25 deg C at the time of production. Minor deviations may occur during storage.

Pressing time:

The pressing time depends on the temperature, coat weight and substrates. Typical times:

At 20°C - around 45 mins.

At 40°C - around 20 mins.

At 60°C - around 7 mins.

Use:

PU 30 should be applied to one surface uniformly. Drying time depends on the room temperature, humidity and material moisture content. The crosslinking time and speed of set can be shortened by misting the substrates, especially in the case of a dry working environment. The surfaces to bond must be dry and free from dust. They must be kept pressed together during the hardening and setting period of the adhesive. In some cases superficial mechanical roughening is required to improve the adhesion. We can supply several adhesion promoters depending on the materials to be bonded (for more information consult our sales office).

Product presentation:

Labelling and packing complies with the CE directive.

Storage:

Keep containers well closed and at normal ambient temperature. Not sensitive to frost; non-flammable. Maximum storage time: approx. 6 months (well closed in the original packaging).

Safety measures: Before using the product, please make yourself familiar with our Material Safety Data Sheet.

Special Notes: This product contains 4,4' -Diphenilmethane di-isocyanate.

This information corresponds to our present-day level of knowledge, and is general guideline as to the properties and use of the adhesive. Due to the large number of different material substrates, applications and possible resulting differences in the adhesion properties, an adhesion test is mandatory before introducing the adhesive into the actual production process.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their possible uses. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. It should therefore not be construed as an expressed or implied warranty of specific properties of the products or for its suitability for a particular use. Any existing industrial property rights must be observed. The quality of our products is governed by our General Conditions of Sale. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

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