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## Tardigrade PUCP 200

### Solvent Free, Polyurethane Resin Based Color Paste

#### Description of Product

Tardigrade PUCP 200, is a low viscosity, solvent free polyurethane resin-based multi-purpose color paste specially designed for Tardigrade polyurethane coating materials.

#### Fields of Application

It is used as a primary color paste material designed for use with Tardigrade polyurethane coating materials.

#### Advantages

With Tardigrade polyurethane coating material;

- Ultrahigh bond strength
- Solvent free
- Excellent penetration capability
- Easy application
- Glossy
- Liquid impermeable
- Hygienic and easy to clean
- Resistant to mechanical loadings and chemicals

#### Color

Ral Colors

*Changes in colors may occur due to direct sunlight. This doesn't affect the physical & chemical resistance of color paste.*

#### Packaging

Color Paste Component : 2 Kg. net                      Color Paste Component : 2.40 Kg. gross

*Note: Manufactured as complement for Tardigrade polyurethane coating materials.*

#### Storage

Store in original sealed containers in a cool dry environment at temperatures between +10°C and +30°C. Do not put excessive loads on top of the products, which would damage the packaging.

#### Shelf Life

12 months from date of production if stored in original unopened containers. Once opened, product should be

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consumed within one week as it is stored under appropriate storage conditions.

### Chemical Structure

Paste Component : Polyurethane Resin

### Technical Specifications

It has the feature to complement the technical values of Tardigrade coating products.

### Mixing

Make sure that the product temperatures are between +10°C and +30°C before starting the mixing procedure.

Prior to mixing, stir Polyurethane component Part A with a mechanical drill and paddle at a very low speed. (Approximately 1 minute).

PUCP 200 (Color Paste – 2 Kg/ packing) is added gradually into *mixed* Polyurethane component Part A mixed with a reasonable period of 1 minute on average with a low speed mixer till you reach a homogeneous consistency.

Polyurethane Component Part B (5 kg / package) gradually added into the mixture [Polyurethane Component A, (18 kg / package)] + [PUCP 200 (Color paste – 2 kg/package)] which would be 20 Kg, and mixed with a reasonable period of 1 minute on average with a low speed mixer till you reach a homogeneous consistency.

Mixing for too long and at high rpm should be avoided to minimize air drag. During application, solvent, thinner etc. should not be added into the mixture. It should be consumed in polyurethane coating system, considering mixture time and application details.

### Application Procedure

With the above mentioned ideal surface and weather conditions;

Avoid application under excessive wind and/or rain when the ambient temperature is below +10°C or above +30°C. When necessary, heaters should be used to increase the ambient temperature and the workability of the product.

After the mixing procedure, Tardigrade PUCP 200 can be applied to the surface by using brush or roller. Make sure that a continuous, pore free coat covers the substrate. Apply two coats if necessary.

Mixed product should be applied in max. 20 minutes in about +23°C. Waiting time between coats should be minimum 10 hours in +23°C and maximum 48 hours. If waited more than 48 hours, the surface should be grinded. The product would be completely cured in a minimum of 7 days to reach its maximum mechanical and chemical resistance.

In case heating is needed, do not use gas, oil, paraffin or other fossil fuel heaters. Use only electric powered warm air blower system. Reaction times of resin-based systems depend on ambient conditions. The duration of the chemical reaction and the duration of the work also change accordingly. Therefore, this detail should be considered properly during application. Under low temperature conditions, the chemical reaction slows down and the working time between

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coats is prolonged.

After application, the material should be protected from direct contact with water minimum for 24 hours. Within this period, contact with water can cause a surface carbonation and/or surface tackiness, both of which must be removed. In such cases overall coating should be removed from the floor and renewed.

Polyurethane and polyurethane flooring systems should be performed by expert contractors.

### **Cleaning of Tools**

Clean all tools and application equipment with thinner immediately after use. Hardened/cured material can only be mechanically removed.

### **Coverage**

Tardigrade PUCP 200 A+B mixture is used as the main coating material in coating systems and its consumption varies according to its use in the system. Please check the system recommendations for appropriate consumption amounts.

*\* Coverage increases as the viscosity gets higher at lower temperature.*

### **Health and Safety Information**

The following protective measures should be taken as per Occupational Health and Safety (OHS) regulations when working with the material. Safety gloves, goggles and protective clothing should be worn. Due to irritation effects of the uncured material, components should not come in contact with the skin, mouth or eyes.

In cases of contact the affected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately. Do not drink or eat at the application site. Keep out of reach of children. For detailed information please refer to the safety information form (safety data sheet).

### **Product Liability**

As being just responsible for the quality of the Tardigrade labelled products, all the data referred herein are gathered as a result of practical and scientific studies. Tardigrade cannot be legally obligated or responsible for any damage unless correct product is used accurately in suitable areas and under right conditions.

### **Legal Notes**

All the information and references herein regarding Tardigrade labelled products are provided in good faith, if kept and interfered in accordance with normal conditions, recommendations, and with knowledge and experience. Along with products, areas of use and surfaces can cause many differences. It is necessary to make sure that the right products with Tardigrade trademark are applied on suitable surfaces under normal conditions. Moreover, all the above given information and instructions regarding technical compatibility with commercial factors must be strictly followed. The manufacturer cannot be held responsible for any damage or problems that may arise if not followed. The applicator / user is obliged to carry out the relevant checks to ensure about these details. The specifications of the Tardigrade branded products may be changed if necessary. The property rights of third parties must be observed. All the technical requirements for sale and shipping are valid when the order is approved.