



## Morasin Extra Clear Resin

### Product Description

Morasin Extra Clear is a solventless epoxy based, two-component resin system. It has very good adhesion properties on wood, metal, fiberglass and concrete surfaces. It does not adhere on plastic-wise surfaces. Resistance to atmospheric conditions, water, chemicals and heat are excellent (continuous max 80 °C, instantenous max 120 °C)

### Intended Uses

It is suitable for bonding materials, decorative coatings, hobby, DIY and accessory works.

### Physical Properties

|                         |                   |
|-------------------------|-------------------|
| <b>Physical State</b>   | : Liquid          |
| <b>Colour</b>           | : Clear colorless |
| <b>Volume Solid (%)</b> | : ~100            |
| <b>Density</b>          | : 1,07 ±0,02 kg/L |

### Application Data

|                               |   |
|-------------------------------|---|
| <b>Mixing Ratio (volume)</b>  | : 3 units Part A / 1 unit Part B  |
| <b>Mixing Ratio (weight)</b>  | : 10 units Part A / 3 unit Part B   |
| <b>Application Methods</b>    | : Moulding, Roller, Brush   |
| <b>Application Conditions</b> | : Ambient temperature shall be between +18 °C-120 °C. To remove air bubbles, the mixture shall be dried at 50-80° C for molding applications. For this purpose, hot water bath or hair drier can be used. |
| <b>Thinner/Cleaner</b>        | : Not recommended.  |

### Surface Preparations

The surface should be clean and dry. Acetone can be used to de-grease metal and polyester surfaces. Wood and polyester surfaces shall be abraded mechanically and dried completely. Wood shall be impregnated with the same product before applying thick coatings. Good surface preparation is very important for the best result.

|                |                             |                    |              |
|----------------|-----------------------------|--------------------|--------------|
| <b>Moravia</b> | <b>TECHNICAL DATA SHEET</b> | Document No / Rev. | TDS 110 / 01 |
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### Drying Time

| Substrate Temperature | Pot Life (max)     | Touch Dry<br>De-molding Dry | Overcoating<br>(2nd coat) | Full Curing<br>(Ready for<br>Mechanical<br>work) |
|-----------------------|--------------------|-----------------------------|---------------------------|--|
| 23°C<br>30°C          | 4 hours<br>3 hours | 48 hours<br>36 hours        | 24 hours<br>24 hours      | 7 days<br>5 days                                 |

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

**Packing Size** : 1 Kg, 3 Kg, 15 Kg

### **Storage**

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated area and away from source of heat and ignition. Containers must be kept tightly closed.

In case of crystallization of epoxy resin during very low temperature cycles, heat the product up to 50- 55 °C and it will be ready for use.

### **Health and Safety**

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

**For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.**

**Disclaimer:** The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.