



THE.R.MO. BRIDGE[®]™

Instructions for use

English
Cod. I.U. The.r.mo.Bridge 01 (GB)

MANUFACTURER:

Pressing Dental s.r.l. – Via Edoardo Collamarini 5/d – 47891 Dogana (Repubblica di San Marino)

CONTENT:

Acrylic resin (PMMA) for the pressure-injection, indicated for the manufacturing of prostheses in dentistry.

BATCH:

The batch number is indicated on the package.

STORING

The product must be used by the expiry date indicated on the container.

Store the product in its package, keep away from direct sun light, keep the package away from heat and in a dry place. Abide by the conservation conditions indicated on the package.

USE PROVIDED FOR:

Material for the pressure-injection of particulars for dentistry, such as crown and provisional bridges.

SPECIFIC USE INSTRUCTIONS:

The product The.r.mo. Bridge[®]™ can be used with the specific J100 and Actio equipment, manufactured by Pressing Dental S.r.l.

Processing specifications using the Pressing equipment:

The processing specifications provide for the following variables:

- Melting temperature: **228° C**
- Melting time: **10 min.**
- Heating time after injection: **from 1 min.**
- Cooling time: **from 35 min**
- Injection pressure: **4 bar**
(the injection speed device with J100 equipment is closed)

- For further information, ask for the specific technical tables.

- Use of material on equipment not manufactured by Pressing Dental:

Considering that the melting temperature has to be $227^{\circ} \text{C} \pm 2^{\circ} \text{C}$ and that the melting time must never exceed 10 minutes, for the other parameters always abide by the instructions provided by the equipment's manufacturer. In particular, for pressure-injection equipment with cartridge compression, the indicative injection pressure is 6-8 Atm.

The user of the device (a dental mechanic), in order to know its correct use must attend a course (theory and practice) at the manufacturer's premises, or at authorized sellers.

During such a training course the user gets to know all the current processing techniques (as not all the applications are schematized in the technical tables) for the correct use, as well as on the advantages and the limits of the product; in addition he is trained on the specific use of the machines necessary for the manufacturing of the prosthesis.

During the course the user is given all the necessary information in order to use the product in combination with other devices.

In case it is needed to combine the resin The.r.mo. Bridge[®]™ with metal parts, since there is no adherence between the materials, it is necessary to create mechanic retentions.

For specific indications on the equipment, see the instructions for use of equipment J100 and Actio.

For further processing details, ask Pressing Dental for the technical tables.

RECOMMENDED COLOUR SCALE:

The.r.mo. Bridge®™

FINISHING AND POLISHING

- Use non-aggressive polishing pastes (for ex: Universal Polish).
- Use only low – revolution cotton brushes to prevent the material from overheating (for ex ample a handle brush with a 20 mm diameter on a 20.000/40.000 - revolution handle, polish at 5/10 second intervals exerting a slight pressure; follow the same procedure with 80 mm - diameter brushes with 2800 revolution / min equipment).

The prosthesis must only be cleaned with water and with the use of non-abrasive materials, do not use ultrasound equipment with acids that can modify its requisites.

In case of use of such material for the manufacturing of bite, the possible superficial abrasion has to be considered, which is due to contact with the antagonists.

The material may undergo colour changes in the following cases:

- If the material remains in the melter longer than the time indicated;
- If the material is reused, though in a small amount;
- If a good polishing is not carried out.

CAUTIONS:

The product does not resist to chemical agents with oxidant effect, nor to strong acids (pH<4).

During the finish use an aspirator and/or a mask to avoid breathing the powder.

During the finish and polishing stages, take care not to overheat the product, being this a thermoplastic material, an undesired change of the prosthetic item and a release of irritant gases.

In case of manufacturing of small dental appliances or prostheses, be careful that the dimensions of the finished appliance are not such as to favour its swallowing, if it is a mobile appliance.

Attention: the material is not visible with x-rays.

Do not reuse the product.

Do not exceed the maximum melting point.

Do not exceed the melting time, because there could be mechanical changes of the material, with consequences on the final prosthetic item.

Do not contaminate the product during the pressure – injection stage.

During processing, do not mix the product with other materials.

In case of allergic reactions to the material, immediately discontinue the application and contact a doctor.

RISK PHRASES INDICATED ON THE PACKAGE:

- R40/20 - Harmful: possibility of irreversible effects by inhalation (in case of decomposition of the product for the gases that stem from it);
- R42/43 -It may provoke sensitization by inhalation and contact with the skin (with reference to the powder during the finishing of items);
- R34 - It provokes burns (with reference to the material in the melted state);
- R36/37 - Irritant for the eyes and the airways (with reference to the powder during the finishing stage of the items and to the gases in the melted state).

INFORMATION FOR THE FINAL USER:

When delivering the finished device, the dental mechanic must give the user at least the following information:

- Do not clean the prosthesis with abrasive products, or with products meant for the cleaning of acrylic resin prostheses, or metal prostheses; only use products for the oral hygiene.
- Wash the prostheses with cold water only, at a temperature lower than 42°C.
- Ensure normal oral hygiene procedures.
- Inform the patient that the prosthesis is a non radio - opaque device.
- Waste and possible rupture of the material due to bruxism and in case of contact with abnormal antagonists.
- Flammable device (synthetic resin)
- In case of allergic reactions to the material, immediately discontinue the application and contact a doctor.