

## ImpressPLUS

Addition Curing Vinyl Polysiloxane Impression Materials

### Instructions for Use

#### **IMPORTANT**

Read this 'Instructions for Use' document before handling. This product is for use by a professional only.

#### **SPECIALLY FORMULATED FOR USE IN DENTISTRY**

#### **IDENTIFICATION**

Product Name	Impress Plus Range Addition Curing Vinyl Polysiloxane Impression Materials
Company Name	Perfection Plus Ltd
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#### **PRODUCT CODE - REF**

PP010/1300 – ImpressPlus Putty Regular Set

PP010/1390 – ImpressPlus Tray Material Heavy Body Regular Set

PP010/1380 – ImpressPlus Monophase Regular Set

PP010/1370 – ImpressPlus Wash Medium Body Regular Set

PP010/1360 – ImpressPlus Wash Light Body Regular Set

PP010/1302 – ImpressPlus Putty Fast Set

PP010/1392 – ImpressPlus Tray Material Heavy Body Fast Set

PP010/1383 – ImpressPlus Monophase Fast Set

PP010/1372 – ImpressPlus Wash Medium Body Fast Set

PP010/1362 – ImpressPlus Wash Light Body Fast Set

ImpressPlus	Putty		Tray Material Heavy		Monophase		Wash Medium		Wash Light	
ISO 4823	Type 0 Putty consistency		Type 1 heavy-bodied consistency		Type 2 medium-bodied consistency		Type 2 medium-bodied consistency		Type 3 light-bodied consistency	
Mixing ratio	1:1		1:1		1:1		1:1		1:1	
Mixing time	30" hand mix		Auto mixing system		Auto mixing system		Auto mixing system		Auto mixing system	
Setting	Fast	Regular	Fast	Regular	Fast	Regular	Fast	Regular	Fast	Regular
Total working time*	1:00	2:00	1:00	2:00	1:00	2:00	1:00	2:00	1:00	2:00
Time in mouth	2:00	2:30	2:00	2:30	2:00	2:30	2:00	2:30	2:00	2:30
Total setting time*	3:00	4:30	3:00	4:30	3:00	4:30	3:00	4:30	3:00	4:30
Strain in compression min - max (%)	1-4		2-5		3-5		3-5		3-5	
Elastic recovery (%)	>99.0		>99.5		>99.5		>99.7		>99.9	
Dimensional change (%)	<0.2		<0.2		<0.2		<0.2		<0.2	
Shore A hardness	72±2		75±2		60±2		55±2		50±2	

\*Application is at 23°C ± 2 / 73°F ± 4, 50 ± 5% relative humidity. **Attention!** Higher temperature reduces working and setting times and lower temperature prolongs them. Note that hand and fingertip temperatures when kneading putty affect the setting time.

#### **INDICATIONS /TECHNIQUES**

**ImpressPLUS Putty** - Very high viscosity impression material recommended for use as a tray material in single step (sandwich) or double step techniques.

**ImpressPLUS Tray Material Heavy**-High viscosity impression material recommended for use as a tray material in single step (sandwich) or double step techniques and in implantology.

**ImpressPLUS Monophase** -Medium viscosity impression material recommended for use in the monophase technique.

**ImpressPLUS Wash Medium** - Medium viscosity impression material recommended for use as a wash (correction) material in single step (sandwich) or double step techniques.

**ImpressPlus Wash Light**- Low viscosity impression material recommended for use as a wash (correction) material in single step (sandwich) or double step techniques.

#### **MIXING PROCEDURE**

**Handmix 1:1** Remove equal amounts of base and catalyst from the relevant tubs using the colour coded scoops. **Attention:** Do not use the same scoop for both materials. Knead the two components at room temperature, according to the recommended mixing time, until a homogeneously coloured mixture is formed. Be sure to close containers immediately after use. Do not interchange container caps. Follow the chosen technique and leave the material to set for the recommended setting time.

**Automix- Cartridges 1:1** Load the cartridge onto the appropriate handheld dispenser following the manufacturer's instructions. Once loaded remove cap and extrude material until it exits both chambers at the same rate and then mount the appropriate mixing tip. An intraoral tip may be placed on the mixing tip. To

avoid air bubbles always keep tip of the mixing tip immersed in the impression material. Follow the chosen technique and leave the material to set for the recommended setting time. After use either leave the used mixing tip as a cap until the following application or carefully remove mixing tip and place cap immediately taking care not to cross contaminate the materials. Intraoral tips and mixing tips are for single use only.

### **IMPRESSION TRAYS**

All types of trays whether perforated, non-perforated or special can be used if they are non-deformable and rigid. To avoid errors during impression taking, especially during removal from the oral cavity, it is very important to ensure proper adhesion of the material to the impression tray. If using an adhesive, ensure the type of adhesive selected is appropriate to the tray used (refer to the corresponding instructions of use of the adhesive).

### **TECHNIQUES**

#### **One step technique (sandwich)**

Place the ready mixed tray material (putty, heavy) into the preselected and adhesive coated impression tray. Syringe wash material directly onto preparation and apply additional material along the occlusal side of the tray material. Immediately position the impression tray in mouth. Hold immobile for the recommended time and carefully remove the impression tray after setting.

#### **Two step technique**

##### Preliminary impression

Load the ready mixed tray material (putty, heavy) onto the impression tray. Ample space must be allowed for the correction material. It is recommended to place a polyethylene spacer (separating) sheet on the tray material during the first step of impression to improve the detail quality in the next step. Position the impression tray in the mouth and hold passively for the recommended time. Carefully remove the impression tray after setting. Rinse well under tap water and blow dry thoroughly. Flow channels must be formed so that excess correction material can flow away.

##### Corrective impression

Syringe wash material onto first impression or directly around the preparation and the gingival margins. Reinsert the impression tray in mouth and hold passively for the recommended time. Carefully remove the impression tray after setting.

#### **One step technique (monophase)**

Load the mixed monophase material onto the impression tray and syringe round the preparation. Position the impression tray in mouth and hold immobile for the recommended time. Carefully remove the impression tray after setting.

### **DISINFECTING**

Once impression is removed from mouth, rinse under lukewarm water. The impression can then be disinfected with appropriate disinfecting solutions or sprays such as 2% glutaraldehyde. Take care to follow the manufacturer's instructions for use. For further information regarding disinfecting impressions: JADA 1991; vol. 122; IS(8); p110.

### **CASTING**

The dry and clean impression should be cast at least 30 minutes after removal from the mouth. All type III dental plasters (e.g., Moldano, Heraeus Kulzer) and IV dental plasters (e.g., Fujirock EP, GC) and standard model-casting acrylics can be used.

### **ELECTROPLATING**

The impression can be electroplated using copper or silver baths.

### **PRECAUTIONS**

- Avoid contamination of the base paste with the catalyst paste in the containers as the materials will become unusable. The scoops and the lids of the containers must only be used with the materials of the corresponding colours.
- Contact with latex gloves may impair the setting reaction. Vinyl gloves are recommended.
- Do not combine with condensation curing silicones, polyether or polysulfide.
- Avoid contact of material with eyes. In case of contact rinse eyes with plenty of water and consult a physician immediately.
- Avoid spillage of material on clothing as it cannot be removed chemically.
- The substances that the product contains may cause allergic reactions to certain individuals.
- Do not use after the expiry date.

### **STORAGE**

Store material between 10 - 25°C (50 - 77°F).

Store impression at room temperature (max. 25°C/77°F).



### **WARNING**

These materials have been developed for use exclusively by dentists and must be handled according to the instructions of use. The recommendations included in the instructions correspond to the actual state of knowledge regarding dental techniques. The manufacturer cannot be held responsible for damages caused by other uses or incorrect handling.

Caution:



Should a serious incident in relation to the product occur, it should be reported to the manufacturer and the competent authority.

### **LOT NUMBER AND EXPIRY DATE**

The above are printed on each package and should be quoted in all correspondence which requires identification of the product.



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