

# Pegasus Plus Denture Base Material

## Instructions for Use

### INTRODUCTION

Schottlander Pegasus Plus denture base material is a heat cured acrylic based on methyl methacrylate and complies with EN ISO 20795-1 Type 1: Class1.

### WARNING

This product contains methyl methacrylate and the liquid is **highly flammable** and classed as irritant. Read health & safety section of these directions and request a copy of the Safety Data Sheet before use.



### INDICATIONS

A fast curing acrylic for aesthetic, full and partial dentures including those for long term retention and use.

### CONTRA-INDICATIONS

People with known allergies to methacrylates should only use with suitable protection. Certain patients are unable to tolerate the wearing of appliances made from methacrylates.

### PHYSICAL DATA

Powder/liquid ratio	2.34g per ml
Dough/	
Initial Packing time at 23°C	6 ± 2 mins
Working/	
Final Packing time at 23±2°C	20 mins

### WAXING AND INVESTING

Invest in gypsum and follow procedure for gypsum models. Use a proprietary denture flask.

### WAX REMOVAL

Immerse the flask in boiling water for five minutes. Remove and open the flask, lift out wax and flush thoroughly with boiling water to which detergent solution has been added, followed by clean boiling water. Allow to cool.

### APPLY SCHOTTLANDER ISOLATING SOLUTION

Use a clean brush to apply Schottlander Isolating Solution to all plaster surfaces. Absorb excess from around teeth while it remains fluid. Make quite sure there is none on the exposed surfaces of the teeth. Allow to dry before packing.

### MIXING

**Caution:** Liquid flash point 9.5°C - do not mix or store near naked flame. Recommended ambient temperature for mixing and packing is 23°C. Pour liquid into a mixing vessel and add appropriate powder in a slow stream (taking 30-40 seconds) until an excess appears on the surface. Hold the vessel in the hand, tap 3 or 4 times to bring excess liquid to the surface and add sufficient powder to absorb this liquid. Invert the vessel and discard any surplus powder. Thoroughly spatulate the mix for 1 minute. Cover the vessel and wait for the mix to reach the correct stage for packing and pressing (dough time). This stage is reached when the mix can be separated cleanly from the walls of the mixing vessel with a spatula.



### PACKING

**Care:** Do not pack before the dough stage has been reached. The flask temperature should be 23°C.

Pack the material into the mould and cover with a thin polythene sheet. Assemble the flask and close slowly under a press. Open the flask, paint the model half of the flask with Schottlander Isolating Solution, remove separating sheet and cut away the flash. Then reassemble the flask, close under press and transfer to a security flask clamp. As an extra safeguard against porosity place a small additional amount of dough centrally in the flask. Do not pack after the end of the working time.

## EXTENDED WORKING TIME

If storing Pegasus Plus denture base for extended use, ensure that dough stage is reached prior to refrigeration.

## RECOMMENDED CURES

### Normal dentures

Immerse the clamped flask in cold, warm or boiling water. Bring to the boil in not less than 5 minutes and simmer for a further 25 minutes. Residual monomer content < 0.6%.

### Thick dentures

For thicker dentures place the clamped flask in boiling water and remove heat source for 20 minutes. Bring to the boil in not less than 5 minutes and continue boiling for a further 10 minutes. Residual monomer content < 0.6%.

### Dentures with reduced residual monomer

Place the clamped flask in cold water and raise to 70°C. Hold this temperature for 90 minutes and then bring to the boil and continue boiling for 2 hours. Residual monomer content < 0.5%.

## ALTERNATIVE CURES

Other longer cure techniques can, if desired, be employed with PegasusPlus denture base material. When dry curing follow the instructions of the bath manufacturer.

**Note:** After all curing cycles bench cool the flask for 30 minutes prior to immersing in cold water before deflasking. Finish and polish in the usual manner. Store finished denture wrapped in damp tissue in a polythene bag.

## INSTRUCTIONS FOR ADDITION & REPAIRS

To obtain maximum repair strength, it is recommended that repairs or additions be made using Pegasus Plus heat cure denture base. An autopolymerising resin such as Pegasus Plus Repair Acrylic may also be used for this purpose.

## STORAGE

Store at room temperature (max 23°C) and avoid prolonged exposure to sunlight. Keep containers tightly closed when not in use.

## HEALTH AND SAFETY

**Warning:** Liquid contains methyl methacrylate monomer. H224 Extremely flammable liquid and vapour. H319/335/315 Irritating to eyes, respiratory system and skin. H317 May cause an allergic skin reaction.

**Precautions:** P403 Store in a well ventilated place. P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P391 Hazardous to the aquatic environment. Do not empty into drains. P243 Take precautionary measures against static discharge. P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves and eye protection. P301/315 If swallowed seek medical advice immediately and show the container or label. After use wash hands thoroughly with soap and water.

**For further information request Safety Data Sheet.**

## LOT NUMBERS

The lot number and the expiry date are shown on all containers.

This product is specifically formulated for use in dentistry.

*Pegasus is an internationally registered trade mark of Davis Schottlander & Davis Limited.*