



## VALPLAST POLISHING KIT

Instructions for Use

### Introduction

Valplast® Resin is a thermoplastic nylon resin that will react to excessive heat. The resin is highly polish able using the correct technique and compounds. However, you can expect it to take a little longer to polish than acrylic. Use of the materials in our polishing kit and the instructions we provide here will help you achieve excellent results in polishing and re-polishing Valplast® appliances.

### Adjusting

We recommend using a Green Mounted Stone for most of your chair side adjustments. The Green Mounted Stone rotating at about **20K to 30K RPM's** will yield delicate adjustments and will minimize scratching of the surface. Use of the Green Stone does not normally require pre-polish rubberizing.

**If a more coarse stone is used, we recommend Pre-polishing.**



### Pre-Polishing

It is essential to smooth the entire surface of the Valplast® partial with the



*Brown Rubber Wheel*

before polishing if the surface is coarse from any grinding. A quick, smooth, and light motion will allow you to obtain a velvety-smooth surface, popping off any small strings with a light contact of the wheel.



A sharp blade, such as our *Valplast Knife*

can be used to remove any edges or strings, as well as to carve a clean edge around the necklines of teeth.

Once the surface is rubberized and smooth, the case is ready for polishing.

## Polishing

The materials used for polishing Valplast® include

rag wheels



a B-20 Brush



Acrylux® 150 Pumice-substitute



, Brown Tripoli Compound



and



Val-Shine™ High Polish Compound.

We suggest using a rag wheel that is not stitched together such as the one provided in our polishing kit.



There are **four stages** to polishing even when touching up a small area. Rinse the partial between each stage to examine the surface to determine if more exposure to the compound is needed.

1. Apply the pumice-substitute with a wetted rag wheel. The pressure will be a little greater than polishing acrylic. Be cautious not to polish off the tooth surface. With a properly rubberized or smooth surface, the pumice application should take only a short while longer than for acrylic. The pumice will leave a velvety smooth and dull surface.

2. A deep luster is obtained using the Brown Tripoli compound with a **dry rag** wheel. During the tripoli application, it is **essential to dip** the Valplast® case in water constantly to prevent excessive build-up of heat on the surface. The **Tripoli requires slightly less pressure** to apply than the pumice substitute. The Tripoli is essential **to seal the surface** and remove micro-pits that hold particles and may give the appearance of staining later on.

3. The **oily residue from the Brown Tripoli can be removed**, while also clearing out deposits in the interproximals by using the **B-20 Brush with no polishing compounds**. Here also, it is important to dip the partial in cool water to avoid heat.

4. After rinsing the case, a final high luster can be obtained using the green Val-Shine™ compound applying it **with a dry rag wheel**. You **should use a low speed** at first with a **very light touch**, and brief application at high speed using a very light touch against the surface of the case.

Note that it takes some practice to create a surface similar to an acrylic shine. The uniform smoothing of the rubber wheel, pumice, and tripoli is the key to allowing the Val-Shine™ to produce a mirror finish.

5. After polishing, **drop the case in an ultrasonic** or wash the case thoroughly to remove all particles and residue left over from polishing. At this point the case should be checked once more for any distortions or discrepancies.

**Attention:** Should you find any discrepancies in fit at this point, immerse the case in very hot water for a minute or so. Then place the case immediately on the master model. If you see that any of the retentive arms fail to contact the tissue surface, remove the case from the model and immerse the section in the hot water for a minute. As you remove it from the hot water, bend the area inward with your finger coaxing it into the proper position as you replace it quickly on the model.

### Technical Support

If you need assistance with any of these or other Valplast® procedures, please contact technical support and training centre for Scandinavian office at 004686479363 Norstar or 004687517777 Normedico AB or email your questions to [info@normedico.com](mailto:info@normedico.com). To avoid unintended screening of your email by our spam-blocking software, please type a clear indication in the subject line that you are requesting technical support for a Valplast denture.