VarseoSmile Temp

Addition to the Instruction for use Processing with
SprintRay Pro 55, SprintRay Pro 95 and SprintRay ProCure

Partners in Progress

BEGO

Processing with SprintRay Pro 55, SprintRay Pro 95 and SprintRay ProCure

For detailed information for safety instructions, storage and transportation, cleaning and disinfection, attaching and disposal of VarseoSmile Temp please follow the instructions for use, which is enclosed to the product. In the following, you can see the working steps of processing.

1. When designing, observe the requirements for minimum wall thicknesses for finished restorations

Single crowns, inlays, onlays and veneers	
Minimum wall thicknesses anterior teeth	1.0 mm
Minimum wall thicknesses posterior teeth	1.0 mm

Bridges		
Anterior teeth area	Minimum wall thicknesses crown	1.0 mm
	Minimum cross sectional area of the connector	12 mm^2
Posterior teeth area	Minimum wall thicknesses crown	1.5 mm
	Minimum cross sectional area of the connector	16 mm^2

2. STL file import by using SprintRay RayWare software

- Manual / Automatic rotation and placement. Optimal orientation: horizontal orientation, occlusal plane facing the build platform.
- Manual / Automatic generation of supports

3. Printing

For further processing – selecting the resin, setting up the print job – as part of the printing process, follow the printer instruction manual.

4. Cleaning

On completion of printing, the print objects are released from the build platform using the spatula supplied. The print object should be cleaned in two steps with ethanol (96 %) using an ultrasonic bath.

Step 1: Clean the print object for 3 minutes in a reusable ethanol solution (96 %) using an unheated ultrasonic bath.

Step 2: The precleaned object must be cleaned thoroughly for 2 minutes using a fresh ethanol (96 %) solution with the aid of an unheated ultrasonic bath.

The print object is then removed from the ethanol bath and sprayed with additional ethanol (96 %) in order to fully rinse off any remaining resin residue.

Tip: Resin residues can also be removed using a brush soaked in ethanol (96 %).

After cleaning, the print object is dried using compressed air under an extraction unit. If there is liquid resin still adhering to the surface of the object, this can be completely removed by spraying again with ethanol (96 %) and re-drying.

5. Finishing

- Remove support structures. They can be removed using either a cutting wheel or side cutters.
- Sandblast the surface of the objects carefully with Perlablast micro (REF 46092/54302) and at a maximum blasting pressure of 1.5 bar.
- Check for fit and finish the objects completely. Finishing and contouring can be performed with carbide cutters or diamond grinding stones.

6. Post-curing

- The final properties of the print object depend on the post-curing process.
- Post-cure the dental Objects in by using the SprintRay ProCure for 2 x 20 minutes at 20 °C (68 °F). Turn object between the exposure cycles.
- The times given only apply to regularly maintained equipment that guarantees a corresponding light intensity.

7. Polishing

Polish the surface of the objects with pumice stone and polishing compound. Avoid overheating of the resin during polishing.

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