

1. INTRODUCTION

The following instructions for use are for dental professionals who use Structomer® OrthoPro as a dental modelling 3D printing material. Structomer® OrthoPro is intended for professional dental and orthodontic models. This instruction for use also provides information about safety and environmental aspects. Safety datasheet (MSDS) corresponding to the Structomer® OrthoPro material is available on <https://www.structo3d.com/> and with the local dealers.

2. INTENDED USE / INDICATION

Structomer® OrthoPro is intended to be 3D printed into dental and orthodontic models used in dental applications. The models are individually manufactured by dental professionals. The models are designed to aid in dental applications.

3. HARDWARE REQUIREMENTS

Structomer® OrthoPro can be used in combination with all laser, DLP and LCD based 3D printers which support Structomer® OrthoPro materials. Information about supported 3D printers can be obtained from Structo Pte. Ltd. (see Contact Information below).

Please follow the hardware instructions provided by the hardware manufacturer concerning the printing parameters and support structure recommendations for Structomer® OrthoPro.

4. CONTRAINDICATION

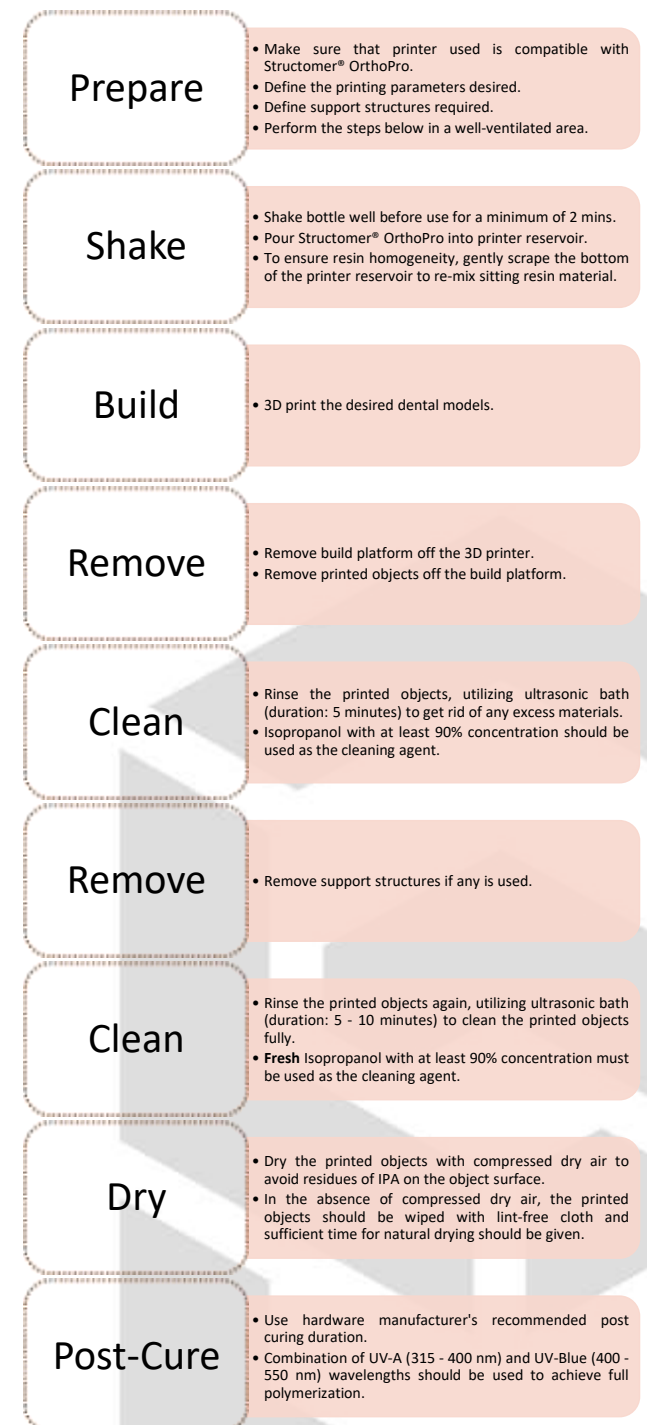
Any deviation from this instruction for use is not recommended. In case of an allergic reaction, please contact a medical physician.

5. SAFETY INSTRUCTIONS

Structomer® OrthoPro is produced and tested according to the most stringent quality standards. In order to ensure optimum processing, please read the information contained in this Instructions for Use (IFU) carefully. Improper use and failure to observe the information can have a detrimental effect on the device quality.

Nitrile gloves, goggles and coat should be worn as means of personal protection during resin handling. For proper handling of the resin, refer to Structomer® OrthoPro safety datasheet (MSDS). However, tolerance and sensitivity to particular resin components may vary for each individual, possibly resulting in adverse effects. In such cases, the respective user should discontinue use of Structomer® OrthoPro.

6. MANUFACTURING PROCESS



Note: Full polymerization of printed object by post curing is critical to achieve desired material properties and to provide a functional end-product. The manufacturer's recommended processing time is 20 minutes. The value was measured using a device with the following output; six 18W/71 lamps (Dulux L Blue); and six 18W/78 lamps (Dulux Blue UV-A).

Note: Post-curing light sources need routine maintenance following manufacturer's instruction.

7. GENERAL INFORMATION ON HANDLING

7.1. Delivery

Structomer[®] OrthoPro is supplied in 1 kg tightly sealed bottle. Check the following upon receipt of the materials:

- Integrity of the bottle & packaging.
- Bottle cap seal is intact and not broken.
- Received quantity against delivery order.
- Shipping documents and label designations
- Materials received not past its 'Use-by' date.

7.2. Storage

Structomer[®] OrthoPro must be stored in its original sealed bottle and kept away from sunlight in a dark and dry area. Acceptable results cannot be guaranteed if materials which have exceeded their 'Use-by' date are used.

7.3. Cleaning

Fully cured dental models made from Structomer[®] OrthoPro can be easily cleaned with non-chemical products and disinfected with ethanol.

7.4. Disposal

Structomer[®] OrthoPro in its polymerized form is not harmful to the environment. Residual waste material in its liquid state (unused Structomer[®] OrthoPro or used isopropanol) should be delivered to a collection point for chemical waste.

8. HAZARDS AND PRECAUTIONS

8.1. Hazard Statements

H302	Harmful if swallowed.
H315	May cause skin irritation.
H317	May cause an allergic skin reaction.
H319	May cause serious eye irritation.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child.
H413	May cause long lasting harmful effects to the aquatic life.

8.2. Precautionary Statements (Prevention)

P261	Avoid breathing dust / fumes / gas / mist / vapors / spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves.

8.3. Precautionary Statements (Response)

P302 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing.
P312	Call a POISON CENTER or doctor / physician if you feel unwell.
P321	Special treatment (see supplementary first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

9. LABEL SYMBOLS



Warning



Consult Instructions for use



Batch code



Use-by date



Manufacturer



Keep away from sunlight

10. CONTACT INFORMATION

10.1. Distribution & Manufacturer

Sales & Distribution:

Structo Pte. Ltd.
 114 Lavender Street,
 #07-53 CT Hub 2,
 Singapore 338729.

Tel: +65 6514 7332

Email: sales@structo3d.com

Web: www.structo3d.com

Manufacturer:

Structo Pte. Ltd.
 155 Kallang Way #05-09/10,
 Singapore 349244.

Tel: +65 6920 2526

Email: materials@structo3d.com

Web: www.structo3d.com