

SEPARATOR - 3D Dental Release Solution

1. Product Overview

Monocure3D Dental Model SEPARATOR is a high-performance release agent designed to create a protective barrier between 3D-printed dental models and thermoset acrylic resins. This advanced formula prevents unwanted adhesion, ensuring easy separation without damaging the model or affecting dimensional accuracy. Ideal for dental labs and clinics, SEPARATOR enhances workflow efficiency and reduces material waste.

2. Key Features & Benefits

- ✓ Non-Stick Barrier
- ✓ Dries to an Elastomeric Film
- ✓ Low Film Weight to Maintain Model Accuracy
- ✓ Fast & Easy Application
- ✓ Residue-Free Formula
- ✓ Optimised for Dental Labs
- ✓ Non-Flammable Product
- ✓ Compatible with All Thermoset Acrylics

3. Applications

- Dentures & Partial Dentures
- Temporary Crowns & Bridges
- Orthodontic Appliances
- Orthodontic Retainers

4. Physical Properties

Property	Value	Test Method
Appearance	Trans White Liquid	Visual
Odour	2. Low	VDA 270
Viscosity @ 25°C cP	1000	ASTM D2196
Density g/cm ³	1.0	ASTM D792
pH Level	11	ASTM E70
Flamability Rating	Non-Flammable	ASTM D92
Non-Volatile Cont. %w/w	60	ASTM D2369
Drying Time	5-10mins	ASTM D790

(Values are typical and may vary depending on application method and environmental conditions.)

9. Disclaimer

The information provided in this Technical Data Sheet is based on laboratory testing and intended as a general guideline. Actual results may vary depending on printing conditions, curing methods, and environmental factors. Monocure3D assumes no liability for improper use of this product.

5. Directions for Use

1. **Prepare the Model** – Ensure the 3D-printed model is post-cured, clean and dry before application.
2. **Apply the Separator** – Use a soft brush, spray, or dipping method to create a thin, even coating.
3. **Allow to Dry** – Wait a few minutes for the separator to form a protective barrier.
4. **Proceed with Acrylic Casting** – Pour or press thermoset acrylic resin onto the prepared model.
5. **Easy Removal** – Once cured, gently separate the acrylic restoration without force or damage.

6. Health & Safety Information

- Not approved for intraoral use.
- Use in a well-ventilated area. Avoid skin & eye contact.
- If contact occurs, wash thoroughly with soap and water.
- Refer to SDS (Safety Data Sheet) for complete handling guidelines www.monocure3d.com.au

7. Storage & Handling

- **Storage Temperature:** 7–32°C (Keep away from direct sunlight).
- **Seal Properly:** Ensure the lid is tightly closed after each use to prevent exposure to air.
- **Shelf Life:** 12 months when stored correctly.
- **Handling:** Use recommended PPE, such as gloves, when handling SEPARATOR.
- **Disposal:** Follow local hazardous waste disposal regulations.

8. Ordering Information

- **Available Sizes:** 0.5L & 2L White Bottles
- **Where to Buy:** Available through **Monocure3D resellers**
- For technical support or bulk orders, contact:
 - ✉ support@monocure3d.com.au | www.monocure3d.com.au