



## Technical Data Sheet (TDS)

### Product Description:

Resinify Dental Glaze is a premium All-Purpose, ultra-gloss, UV-curable dental coating resin designed for professional dental applications. It delivers a smooth, clear, and high-gloss finish suitable for dental crowns, models, and aligners.

### Key Performance Properties:

- Appearance: Clear, high-gloss
- Curing: 405nm UV LED
- Hardness (Shore D): ~75-80
- Tensile Strength: 45–55 MPa
- Elongation at Break: <5%
- Viscosity: Medium (ideal for brush or dip)
- Biocompatibility: Formulated to comply with ISO 10993-5/-10

### Recommended Applications:

- High-gloss coating for dental crowns
- Final surface finish for dental models
- Protective, aesthetic coating for aligners

### Curing Guidelines:

- Use 405 nm wavelength UV LED curing equipment.
- Cure for 60–90 seconds at <100 µm thickness per coat.
- Minor oxygen-inhibited surface layer removable with isopropyl alcohol (IPA).

### Handling and Storage:

- Store in opaque, tightly sealed containers.
- Recommended storage temperature: 18–25°C (65–77°F).
- Protect from direct sunlight and UV exposure.
- Shelf life: 12 months under recommended storage conditions.

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## Safety

### Hazard Identification:

- May cause skin and eye irritation.
- May cause allergic skin reactions.



- Avoid inhalation, skin, and eye contact.

**Safety Measures:**

- Wear protective gloves, safety goggles, and clothing.
- Use in well-ventilated areas.
- Wash thoroughly after handling.

**First Aid Measures:**

- **Eyes:** Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.
- **Skin:** Wash immediately with plenty of soap and water. Remove contaminated clothing.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Ingestion:** Rinse mouth and seek medical advice immediately.

**Disposal:**

- Dispose of contents/container according to local regulations.
  - Do not release to the environment.
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**How to Use – Instructions for Dental Professionals:****Application:**

1. Ensure the surface of the model or prosthetic is clean, dry, and free of contaminants.
2. Apply a thin, even coating by brush or dip.
3. Avoid creating air bubbles during application.
4. Allow any excess material to drain.

**Post-Curing:**

1. Cure under a 405nm UV LED source for 60–90 seconds per coat.
2. After curing, remove slight surface tackiness by gently wiping with IPA.

**Tips for Best Results:**

- Use fresh IPA for cleaning post-cure surfaces.
  - Apply multiple thin coats for maximum gloss and durability.
  - Ensure thorough curing between layers.
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**Storage & Shelf Life:**

- Store product between 18–25°C (65–77°F).
  - Keep containers closed and away from light when not in use.
  - For optimal shelf life (12 months), store in original opaque packaging, avoiding UV and ambient light exposure.
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**For professional dental use only.**

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