

Silkflow

Light cured flowable dental composite

iM3[®]
THE VETERINARY DENTAL COMPANY
For veterinary use only

INSTRUCTIONS FOR USE

1. Prepare the cavity, smooth the surface.
2. Cover the cavity thoroughly with a thin layer of a bonding agent such as iM3 Bond.
Blow away any excess using an air/water syringe set for air only.
Cure in sections as wide as the curing light lens (about 8mm), in accordance with the polymerisation table.
(May vary by model of curing light)
3. Fill the cavity with layers of flowable composite iM3 Silkflow. Cure each layer in accordance with the polymerisation table. The chewing surface can also be modelled with a solid condensable materials such as iM3 Create.
4. Small or medium-size cavities and teeth with surface cavities already prepared (after etching and applying a bonding system) can be fully covered with iM3 Silkflow, following the polymerisation rules. iM3 Silkflow can also be used as fissure sealant.

INDICATIONS

- class I, II, III, IV and V restorations.
- quick filling of cavities before final modelling of the chewing surface with condensable composites.
- small and shallow cavities.
- the first layer in places with difficult access, such as deep class II cavities with matrix bands.
- sealing, including sealing with fissure preparation.
- permanent and temporary splinting of teeth.

POLYMERISATION TABLE

Lamp	Shade	20 seconds	30 seconds
Halogen/LED (500-800 mW/cm ²)	A1, A2, A3	2.0 mm	3.0 mm
	A3.5, OA2	2.0 mm	2.5 mm
LED (800-1200 mW/cm ²)	A1, A2, A3	2.0 mm	3.5 mm
	A3.5, OA2	2.0 mm	3.0 mm

COMPOSITION

iM3 Silkflow is a light cured flowable dental material composed of: organic matrix (Bisphenol A Glycerolate Dimethacrylate, Diurethane Dimethacrylate, Triethylene Glycol Dimethacrylate and Ethoxylated Bisphenol A Dimethacrylate), inorganic fillers (barium-alumino-silicate glass, fumed silica), and additional substances (photoinitiator, inhibitors, stabilisers and pigments). It undergoes free radical polymerisation when activated by visible light at wavelength between 400 nm and 500 nm (blue region). Mineral fillers make up about 62 wt% of the composite.

PRECAUTIONS

Avoid contact of unpolymerised product with skin, eyes and the soft tissues of the mouth. In case of such contact, rinse with plenty of water. In case of any adverse reactions, consult a medical professional and/or a veterinary specialist, giving information about the product. In case of allergy to methacrylates, stop using the product. In case of late onset of allergic reaction, remove the restoration. In case of aspiration into the respiratory tract, seek immediate medical attention.

LIMITATIONS IN USAGE, INTERACTIONS

Avoid contamination from saliva, blood or moisture. Contamination disrupts the polymerisation process and may affect mechanical properties and marginal integrity.

Do not use with materials containing eugenol. Such materials disrupt polymerisation. In case of interrupted polymerisation, unpolymerised methacrylates may affect some medications.

ADDITIONAL INFORMATION

In case of any contamination or mechanical damage of the placed product, remove the layer and replace it with another one.

STORAGE

Store at a temperature between 3°C and 28°C (37°F and 82°F). Bring back to room temperature before use. To avoid accidental polymerisation of iM3 Silkflow in the applicator, always retract the plunger of the syringe.

CONTRAINDICATIONS AND WARNINGS

Do not use in patients with a known allergy to methacrylates.

Keep out of reach of children.

Protect from heat and light.

Do not exceed the curing time: this may cause overheating of the soft tissues of the mouth.

Do not use after the expiry date.

For use by veterinarians only.

WARRANTY

iM3 will replace products that have been proved to be defective or will refund the price of purchase.

iM3 is not liable for any loss or damage caused by misuse or improper use of the product.

Instruction for use issued on 26/07/2018