

## CAUTION

1. In rare cases, the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a physician.
2. In case of contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Flush with water. To avoid contact, a rubber dam and/or cocoa butter can be used to isolate the operation field from the skin or oral tissue.
3. In case of contact with eyes, flush immediately with water and seek medical attention.
4. Take care to avoid ingestion of the material.
5. Wear plastic or rubber gloves during operation to avoid direct contact with air inhibited resin layers and prevent possible sensitivity.
6. Use a protective light shield or similar protective eye wear during light curing.
7. When polishing the polymerised material, use a dust collector and wear a dust mask to avoid inhalation of cutting dust.
8. Do not mix with other similar products.
9. Avoid getting material on clothing.
10. In case of contact with unintended areas of tooth or prosthetic appliances, remove with instrument, sponge or cotton pellet before light curing.
11. Do not use SOLARE X in combination with eugenol containing materials as eugenol may hinder SOLARE X from setting.

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## SOLARE X

LIGHT-CURED COMPOSITE RESTORATIVE

Prior to use, carefully read  
the instructions for use.

For use only by a dental professional in the recommended indications.

## RECOMMENDED INDICATIONS

1. Direct restorative for Class I, II, III, IV, V cavities.
2. Direct restorative for wedge-shaped defects and root surface cavities.
3. Direct restorative for veneers and diastema closure.

## CONTRAINDICATIONS

1. Pulp capping.
2. Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

## DIRECTIONS FOR USE

## 1. Shade Selection

Clean the tooth with pumice and water. Shade selection should be made prior to isolation. Select the appropriate SOLARE X shade from the following 6 shades: X-A1, X-A2, X-A3, X-A3.5 (based on Vita® Shades), X-AO2 and X-WT.

\*Vita® is a registered trademark of Vita Zahnfabrik, Bad Säckingen, Germany.

## 2. Cavity Preparation

Prepare cavity using standard techniques. Dry by gently blowing with oil-free air.

Note :

For pulp capping, use calcium hydroxide.

## 3. Bonding Treatment

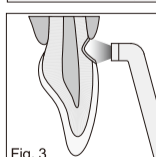
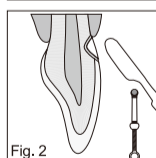
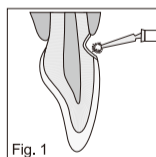
For bonding SOLARE X to enamel and / or dentin, use a light-cured bonding system such as GC Fuji Bond LC or UniFil® Bond or G-BOND™ (Fig. 1). Follow manufacturer's instructions.

## 4. Placement of SOLARE X

Remove syringe cap and dispense material onto a mixing pad. Place the material into the cavity using a suitable placement instrument (Fig. 2). After dispensing, screw syringe plunger anticlockwise by a half to full turn to release residual pressure inside the syringe. Remove any material remaining on the syringe and replace cap immediately after use.

Note :

- a. Material may be hard to extrude immediately after removing from cold storage. Prior to use, leave to stand for a few minutes at normal temperature.
- b. After dispensing, avoid too long an exposure to ambient light. Ambient light can shorten the manipulation time.
- c. In the case of large cavities, place and light cure material in segments.



## 5. Contouring before Light Curing

Contour using standard techniques.

## 6. Light Curing

Light cure SOLARE X using a light curing unit (Fig. 3). Refer to the following chart for Irradiation Time and Effective Depth of Cure.

## 7. Finishing and Polishing

Shape and polish using standard techniques.

## Cleaning of the Shade Guide

The shade guide can be cleaned with water and mild soap. It should not be sterilized. The use of various chemical disinfectants / sterilants may cause damage to the shade guide.

## Irradiation Time and Effective Depth of Cure

Shade	Irradiation time	Plasma arc (2000 mW/cm <sup>2</sup> )	3 sec.	6 sec.
		G-Light (1200 mW/cm <sup>2</sup> )	10 sec.	20 sec.
		Halogen/LED (700 mW/cm <sup>2</sup> )	20 sec.	40 sec.
X-A1, X-WT			3.0 mm	3.5 mm
X-A2, X-A3,			2.5 mm	3.0 mm
X-A3.5, X-AO2			2.0 mm	3.0 mm

Note :

- a. Material should be placed and light cured in layers. For maximum layer thickness, please refer to the tables.
- b. Lower light intensity may cause insufficient curing or discoloration of the material.

## SHADES

6 shades

X-A1, X-A2, X-A3, X-A3.5, X-AO2, X-WT

## STORAGE

Store in a cool and dark place (4–25°C / 39.2–77.0°F) away from high temperatures or direct sunlight.  
(Shelf life : 3 years from date of manufacture)

## PACKAGES

1 syringe of 3.7g (2mL)

Accessories (available separately)

- a. Shade guide
- b. Mixing pad (No.14B)a