



Manufactured in U.S.A. by:

SCI-PHARM



Flowable (Paint-On)
Restorative/Veneer Cement, Light-Cured
Sci-Pharm Catalog No. 51-20

TECHNICAL BULLETIN

Instructions



INDICATIONS FOR USE:

A flowable light-cured resin based restorative for restoring eroded, damaged, discolored and structurally deficient tooth enamel, Shallow Class V cavities, acrylic veneers and minor defects in porcelain veneers; and for cementing fabricated veneers.

CONTRAINDICATIONS:

This product should not be used where patients have known hypersensitivity to methacrylate monomers. Do not apply on very sensitive teeth or in contact with the pulp.

CuRAY-Match® is available in two types of dispensing syringes:

- Economy-size 3 gram screw-type syringe
- 1.2 gram syringe allowing for placement of the material directly on the tooth through a 20 gauge disposable tip. Five disposable tips are included with each syringe.

Reorder Auxiliaries and Accessories:

Enamel Conditioner/Etchant	Cat. No. 50-065
Porcelain Conditioner	Cat. No. 50-064
Disposable Spatulas	Cat. No. 30-10
Disposable Brushes and Handle	Cat. No. 30-30



Cat. No. 51-20

CuRAY-MATCH® KIT COMPONENTS

When reordering syringes, refer to the following catalog numbers:				Additional Technical Information Required by the ADA Revised Specification No. 27
CuRAY-Match® Restorative Paste	Lumin Shade	3g Syringe Catalog No.	1.2g Syringe Catalog No.	
Universal	A2	50-201	50-211	1. <u>Principal organic component of material:</u> Aromatic and Aliphatic Dimethacrylate resin blend
Light	A1/B1	50-203	50-213	
Light Brown	A3		50-210	
Medium Brown	A3.5		50-212	2. <u>Particle Sizes of Inorganic Filler:</u> 100% below 10 microns, 50% below 2 microns, 25% below 1 micron
Dark Brown	A4	50-209	50-219	
Light Yellow	B2		50-217	
Yellow	B3	50-204	50-214	3. <u>Volume % of Filler in the Restorative Material:</u> 46%
Light Gray	C1		50-220	
Medium Gray	C2		50-216	
Gray/Brown	C3/D3	50-205	50-215	Storage and Shelf-Life Store at temperatures not exceeding 75°F (24°C). When stored under such conditions, the shelf-life of CuRAY-Match® is two years.
Dark Gray	C4	50-208	50-218	
Gingival (Gum)			50-221	
Incisal Edge			50-222	
Yellow Opaquer			50-223	
Universal Opaquer		50-202	50-224	
Light Opaquer			50-225	

CAUTION

INSTRUCTIONS FOR USE

RESTORATION OF DEFICIENT ENAMEL

1. Prepare the surfaces of the teeth by prophylaxis, using a non-fluoride Prophylaxis paste. Wash and dry. Apply Enamel Conditioner with a cotton pledget to the enamel area to be restored. **CAUTION:** Avoid contact with soft tissue or exposed dentin. If accidental spill occurs, wash immediately.
2. Wait 60 seconds. Wash the tooth (teeth) and evacuate. Dry with oil-free air or with any commercial dental drying agent. Properly conditioned (etched) teeth should have a dull, chalky-white appearance. Highly mineralized teeth may require an additional one to two-minute etching to achieve this effect.
3. Isolate the tooth (teeth) to be restored. Select the desired shade of the restorative and dispense onto a mixing pad.
4. Using a disposable brush or a disposable dispensing tip, apply a thin, smooth layer over the etched, dry enamel and cure for 20 seconds*, holding the tip of the light no farther than 2mm from the tooth surface.
5. Wait two minutes before finishing. Use finishing tools as for composite materials, preferably Shofu brand adhesives for composites. For achieving the best final polish, use Scientific Pharmaceuticals' *Luster*® (Cat. No. 50-05) polishing paste.

*With Optilux 500 curing light (by Demetron) or equivalent.

APPLICATIONS INVOLVING HEAVILY DISCOLORED TEETH

On heavily discolored teeth (for example, in cases involving discoloration caused by radiological treatment, tetracycline stains, fluorosis, etc.), the application of an opaque, masking layer is recommended. *CuRAY-Match*® is available in three opaque shades. In such cases, the restorative procedure is modified as follows: After cleaning and etching as described in points 1 and 2 above, apply a thin layer of the selected shade of opaque as an under-layer and cure for 20 seconds. Apply the final coating of *CuRAY-Match*® over the opaquing layer immediately after the cure of the latter. For best adhesion, the opaquing layer should be left unfinished or its surface should be roughened.

RESTORATION OF SHALLOW CLASS V CAVITIES

1. Prepare the cavity in a conservative manner removing minimum tooth structure. Bevel the enamel adjacent to the exposed dentin.
2. Condition the dentin and adjacent enamel following the instructions included with *CuRAY® Dentin/Enamel Bonding System Kit* (Cat. No. 50-120).
3. Fill the cavity and finish the restoration as described in points 3-5 of the instructions for restoration of deficient enamel (above).

CEMENTING OF FABRICATED LAMINATE VENEERS

APPOINTMENT 1

1. Select the shade for the veneer.
2. Place gingival deflection cord on facial areas of teeth.
3. Decide on amount of enamel to be removed.
4. Make an impression using any elastomer-type impression material or reversible hydrocolloid. Polyvinylsiloxane impressions are preferred, because the refractory material may be cast directly into them.

Comment: Temporary coverage of teeth is usually not needed. However, when used, do not use cements containing Eugenol.

APPOINTMENT 2

1. Make any necessary correction in the veneer to assure good fit. Carefully wipe the surface of the veneer to be bonded with Acetone, in order to remove oily impurities which can interfere with bonding.
2. Place deflection cords to block tissue fluids from oozing into gingival margins.
3. Prepare tooth surface by following steps 1 and 2 of the instructions for restoration of deficient enamel (above).
4. In case of the use of a ceramic veneer, apply a thin layer of activated Porcelain Conditioner to the clean surface of the veneer and wait one minute. Blow dry.
5. Place mylar strips on both sides of the tooth. If the tooth is heavily discolored, mask the discoloration with a selected shade of opaquer; follow instructions for placing and curing the opaquer. Apply a thin layer of the selected shade of *CuRAY-Match*® over the internal surface of the veneer.
6. Place the veneer on the tooth, adjust the position of the veneer and carefully remove the excess.
7. Cure for 30 seconds, placing the tip of the light directly over the veneer. Make sure the entire area of the veneer has been directly irradiated, as described in the instructions for restoration of deficient enamel.
8. Perform final trimming, cleaning and polishing, as necessary.

HELPFUL HINT:

When using the economy-size (3g) screw-type syringes, dispense the material by turning the screw clockwise. Slow turning is recommended in order to avoid waste. Remove the material dispensed at the tip of the syringe and turn back the screw (counterclockwise) in order to suck back the excess. Replace the cap.



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For technical information, call or write:

Quality Management System Certified to
ISO 13485:2016



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