

Rock Core™

Rock Core is a resin composite which is ideal for core build-ups and for cementing posts. Dual-cure chemistry allows Rock Core to be rapidly set with a light or to self-cure in 5 min. Rock Core cuts like dentin and is easy to differentiate from tooth structure.

- ◆ Cuts like dentin
- ◆ Dual cure
- ◆ White shade is easily differentiated from dentin
- ◆ Automix cartridge
- ◆ Radiopaque

Instructions for use:

1. Apply and cure resin-bonding agent compatible with self-cure and/or dual-cure composites.
2. Place a matrix band or crown form.
3. Snap the plastic 'needle' into the automix tip and express directly, filling from the bottom up to avoid bubbles. With crown forms, fill and place. Hold until fully set.
Working time: 1 ½ min
4. Rock Core may be manipulated using a composite instrument.
Light set: 40 sec, 4mm max depth
Self-cure: 5 min @ 37°C/98°F
5. Use diamond or carbide burs for final crown preparation.
6. Use separating gel (such as liquid Lens) if a provisional is made on the prepared tooth.

Notes:

- ◆ Avoid eugenol as it will inhibit set.
- ◆ Use only in dry field. Water and oily air will inhibit set and bond.
- ◆ Avoid contact with skin and eyes. If accidental contact occurs, wash with water and contact a physician if necessary.
- ◆ Storage: Under 20 °C/68 °F, or refrigerate.

Composition:

- ◆ Barium glass 69%, silica 3% in a Bis-GMA based resin. Total filler volume: 49 %
- ◆ Diametral tensile strength 60 Mpa. Water sorption max. 25 µg/mm³ Compressive strength 300 MPa



DANVILLE
MATERIALS

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MATERIAL SAFETY DATA SHEET

Revision Date 6.18.2004

SECTION I

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rock Core

Company: Danville Materials
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SECTION II

COMPOSITION/INFORMATION ON INGREDIENTS

Common Chemical Name/Generic Name: Preparation of acrylic resin, glass powder and silica. Contains urethane dimethacrylate, aliphatic dimethacrylate, aromatic dimethacrylate.

SECTION III

HAZARDS IDENTIFICATION

None, if handled according to directions. Irritating to eyes, respiratory system and skin.

SECTION IV

FIRST-AID MEASURES

In Case of Inhalation: In case of prolonged exposure take patient to open air.

In Case of Skin Contact: Wash with soap and water.

In Case of Eye Contact: Rinse with plenty of water, consult a physician.

In Case of Ingestion: Immediately seek medical advice.

SECTION V

FIRE-FIGHTING MEASURES

Extinguishing Media: Powder, sand, foam, carbon dioxide, water spray.

Not Suitable Extinguishing Media: Direct jet of water.

SECTION VI

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use only in well ventilated areas.

Environmental Precautions: Do not empty into drains.

Methods for Cleaning Up: Take up mechanically.

SECTION VII

HANDLING AND STORAGE

Handling:

Technical Measures: Keep container tightly closed.

Safe Handling Advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical Measures: Keep container in a well ventilated place.

Storage Conditions: Keep container tightly closed. Keep in a dark, cool place.

SECTION VIII

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Use only in well ventilated areas.

Personal Protective Equipment:

Respiratory Protection: Do not breathe vapour.

Hand and Skin Protection: Rubber gloves.

Eye Protection: Goggles.

Hygiene Measures: When using do not eat or drink.

SECTION IX

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly yellowish paste

Odor: Esterlike, weak

pH-Value: Not applicable

Changes in physical State: n/a

Decomposition Temperature: >ca. 200°C

Flashpoint: >150°C

Exposure Properties: not established

Vapour Pressure: <1 mbar / 20°C

Rel. Vapour Density: >1

Density: ca. 1.8 g/cm³

Solubility in Water: ca. 1 g/l/20°C

SECTION X

STABILITY AND REACTIVITY

Thermal Decomposition: at ca. 200°C

No decomposition, if handled according to directions.

Hazardous Reactions: None, if handled and stored according to directions.

Conditions to Avoid: Heat, light.

Materials to Avoid: Free radicals, reducing agents, heavy metal ions.

Hazardous decomposition Products: In case of fire acrid acrylic fumes.

Cures on exposure to visible or UV light.

SECTION XI

TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD₅₀ (Rate)>5000mg/kg

Irritation of Skin: Irritating on prolonged exposure.

Irritation of Eye: Irritating on prolonged exposure.

Specific Effects: Allergic reactions to methacrylates are possible.

SECTION XII

ECOLOGICAL INFORMATION

Do not discharge into drains or the environment.

Persistence and Degradability: No data available for the preparation.

SECTION XIII

DISPOSAL CONSIDERATIONS

Waste from Residues: Use proper land-fill disposal or incineration in accordance with local, state and federal regulations.

SECTION XIV

TRANSPORT INFORMATION

Additional Information: Not dangerous cargo.

SECTION XV

REGULATORY INFORMATION

Labelling According International Regulations: Xi, Irritant. Contains Methacrylic ester.

Symbols of Danger: St Andrew's cross

R-Phrases: 36/37/38

Irritation to eyes, respiratory system and skin.

S-Phrases: 26-28

In case of contact with eyes rinse immediately with plenty of water and seek medical advice. After contact with skin wash immediately with plenty of water and soap.

SECTION XVI

OTHER INFORMATION

None.