

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 white shade is easy to differentiate from tooth structure.

- ♦ Cuts like dentin
- ♦ Dual cure
- ♦ White shade is easily differentiated from dentin
- ♦ A2 shade blends with tooth structure
- ♦ Automix cartridge (white) or automix syringe (A2)
- ♦ 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: Refrigerate. Do not freeze. Use at room temperature.
- ♦ Use a dispensing gun to avoid hand strain.

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

3420 FOSTORIA WAY STE. A-200 SAN RAMON, CALIFORNIA 94583 USA
PHONE 800/827-7940 FAX 925/973-0764

90865 REV D

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 white shade is easy to differentiate from tooth structure.

- ♦ Cuts like dentin
- ♦ Dual cure
- ♦ White shade is easily differentiated from dentin
- ♦ A2 shade blends with tooth structure
- ♦ Automix cartridge (white) or automix syringe (A2)
- ♦ 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: Refrigerate. Do not freeze. Use at room temperature.
- ♦ Use a dispensing gun to avoid hand strain.

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

3420 FOSTORIA WAY STE. A-200 SAN RAMON, CALIFORNIA 94583 USA
PHONE 800/827-7940 FAX 925/973-0764

90865 REV D

SECTION I PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rock Core
Company: Danville Materials
3420 Fostoria Way Ste A-200
San Ramon, CA 94583
800.827.7940
925.973.0710
Phone:
925.973.0764
Fax:

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.

SECTION I PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rock Core
Company: Danville Materials
3420 Fostoria Way Ste A-200
San Ramon, CA 94583
800.827.7940
925.973.0710
Phone:
925.973.0764
Fax:

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.