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**DENTSPLY**

**Dycal<sup>®</sup>**

**Radio-opaque calcium hydroxide composition**



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Dycal® is a rigid, self-setting, radio-opaque calcium hydroxide composition. It will not inhibit the polymerization of acrylic and composite restorations. Dycal is available in tubes and in CFC- free pressure packs.

## **COMPOSITION**

### **Base paste**

1,3-Butylene glycol disalicylate

Zinc oxide

Calcium phosphate

Calcium tungstate Iron  
oxide pigments

### **Catalyst paste**

Calcium hydroxide

N-ethyl- $\alpha$ /p-toluene sulfonamide

Zinc oxide

Titanium dioxide

Zinc stearate

Iron oxide pigments (dentine shade only)

## **INDICATIONS**

Direct and indirect pulp capping.

Protective liner under dental filling materials, cements and other base materials.

## **CONTRAINDICATIONS**

Hypersensitivity against sulfonamides or other components, respectively, of the product.

## **SIDE EFFECTS**

May cause allergic reactions in persons susceptible to sulfonamides.

## **NEGATIVE INTERACTIONS WITH OTHER DENTAL PRODUCTS**

Acetone-containing products are detrimental to calcium hydroxide materials. Minimize contact of these products with calcium hydroxide liners.

## **APPLICATION**

### **Dosage**

Extrude equal volumes of the base and catalyst paste (1.17 g : 1.00g) on the mixing pad provided. Using the pressure pack, this is achieved by applying light sideways pressure to the tip

on the mixing pad of the container nozzle. The nozzle is empty before the first use and it may therefore take a few seconds before the material is extruded.

Do not attempt to control setting time by increasing or decreasing the amount of catalyst dispensed. The product is adjusted to provide a constant working time in spite of such variations.

### **Mixing**

Stir immediately using a Dycal applicator until a uniform colour is achieved. Do not overspatulate. To provide maximum working time, complete mixing of the two pastes within 10 seconds.

### **Application**

A ball-pointed instrument like the Dycal applicator is an effective

tive instrument for placing the mix in the cavity and spreading it over the floor to the desired depth.

Quickly apply the mixed material into the cavity to take advantage of the essential flowability of the mass for efficient placement before setting starts. The cavity preparation should be dry.

Avoid touching the margins of the cavity.

Avoid placing a large bulk of material.

### **Setting**

The mixed material will set in 2 1/2 to 3 1/2 minutes on the mixing pad (23 °C with 50 % relative humidity). The set time is shorter in the mouth due to moisture and temperature. Increased humidity and elevated temperature will reduce available work time

and set time. Conversely, decreased humidity and lower temperature will increase available work time and set time.

Remove any excess set material from retention areas or margins with a sharp spoon excavator or bur.

### **STORAGE**

Keep dispensers or tubes tightly closed.

Store at room temperature or below. Do not pierce or burn pressure packs even when empty.

Separation of solid and liquid phases of the base paste is accelerated at elevated temperatures. When stored at reduced temperatures, allow the material to return to normal room temperature before using.

## BATCH NUMBER AND EXPIRY DATE

The batch number should be quoted in all correspondence which requires identification of the product.

Do not use after expiry date.

## SPECIAL NOTES

1. For dental use only.
2. Dycal catalyst paste contains calcium hydroxide. Avoid contact with skin and eyes. If accidental contact occurs, flush area with generous amounts of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
3. Dycal base paste contains 1,3-butylene glycol disalicylate which is irritating to skin and eyes. In case of contact with

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

## SUPPLIED AS

### Dycal in CFC-free Pressure Packs

611.07.002 Standard Package, ivory  
1 x 29 g base  
1 x 26 g catalyst  
mixing pads

### Dycal in tubes

611.05.501 Standard Package, ivory  
13 g base + 11 g catalyst  
mixing pads

- 611.06.501 Standard Package, dentine  
13 g base + 11 g catalyst mixing pads
- 611.05.606 6-pack, ivory  
6 x 13 g base + 6 x 11 g catalyst mixing pads
- 611.06.606 6-pack, dentine  
6 x 13 g base + 6 x 11 g catalyst mixing pads

If you have any questions, please contact:

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