

# Tylok® Plus

DENTSPLY  
CAULK

## Anhydrous Polycarboxylate Cement

### DIRECTIONS FOR USE – ENGLISH

For dental use only.

USA: Rx only.

#### 1. PRODUCT DESCRIPTION

Tylok® Plus Anhydrous Polycarboxylate Cement is an anhydrous polycarboxylate cement powder designed to be mixed with distilled water to activate the polyacrylic acid and initiate the setting reaction. Tylok® Plus cement adheres to enamel, dentin and stainless steel and is intended for definitive cementation of inlays, onlays, full crown and bridges, and fixed orthodontic bands and appliances. Tylok® Plus cement may also be used as a restorative base or temporary restorative material following endodontic treatment when mixed to a higher powder/water ratio.

##### 1.1 Delivery forms

Tylok® Plus cement is available in:

- powder, for mixing with user-supplied distilled water
- 1 universal shade

##### 1.2 Composition

Zinc Oxide; Tin difluoride; Magnesium oxide; Polyacrylic acid

##### 1.3 Indications

1. Cementation of crowns, bridges and inlays
2. Cementation of orthodontic bands and appliances
3. Base under amalgam, composite or acrylic restorations
4. Temporary restorative material following endodontic treatment

##### 1.4 Contraindications

None Known

### 2. GENERAL SAFETY NOTES

Be aware of the following general safety notes and the special safety notes in other sections of these directions for use.



#### Safety alert symbol

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury.

#### 2.1 Warnings

Tylok® Plus cement contains polyacrylic acid which may be irritating to skin, eyes and oral mucosa and may cause allergic contact dermatitis in susceptible persons.

- Avoid Eye Contact to prevent irritation and possible corneal damage. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
- Avoid Skin Contact to prevent irritation and possible allergic response. In case of contact, reddish rashes may be seen on the skin. If contact with skin occurs immediately remove material with cotton and alcohol and wash well thoroughly with soap and water. In case of skin sensitization or rash, discontinue use and seek medical attention.
- Avoid Contact with Oral Soft Tissues/Mucosa to prevent inflammation. If accidental contact occurs, immediately remove material from the tissues. Flush mucosa with plenty of water after the restoration is completed and expectorate/evacuate the water. If inflammation of mucosa persists, seek medical attention.

#### 2.2 Precautions

1. This product is intended to be used only as specifically outlined in the Directions for Use. Any use of this product inconsistent with the Directions for Use is at the discretion and sole responsibility of the practitioner.
2. Wear suitable protective eyewear, clothing and gloves. Protective eyewear is recommended for patients.
3. Polycarboxylate cements adhere to instruments and glass slabs. Immediately after use, spatulas, glass slabs and placement instruments should be wiped clean under running water or submerged in disinfectant or water to facilitate subsequent cleaning.
4. Do not return unused powder to bottle.
5. Containers should be tightly closed immediately after use.
6. Interactions: None known.

#### 2.3 Adverse reactions

Product may irritate the eyes and skin. Eye contact: irritation and possible corneal damage. Skin contact: irritation or possible allergic response. Reddish rashes may be seen on the skin. Mucous membranes: inflammation (see Warnings).

#### 2.4 Storage conditions

Inadequate storage conditions may shorten the shelf life and may lead to malfunction of the product. Keep out of direct sunlight and store in a well ventilated place at temperatures between 10°-24°C/50°-75°F. Allow material to reach room temperature prior to use. Protect from moisture. Do not freeze. Do not use after expiration date.

### 3. STEP-BY-STEP INSTRUCTIONS

1. Finish preparation or remove the temporary restoration and any remaining temporary cement.
2. Clean enamel and dentin with water spray and carefully dry with air spray. Do not desiccate the tooth structure.
3. Pulp Protection: In deep cavities/preparations, cover the dentin close to the pulp (less than 1mm) with a hard setting calcium hydroxide liner (Dycal® Liner).
4. Dispensing
  - Powder: Always fluff powder by repeatedly inverting bottle before scooping. Use Caulk® powder scoop #2 (small). Overfill powder scoop and strike off excess with spatula, leaving a flat level scoopful. Replace bottle cap immediately after dispensing.
  - Water: Fill dispenser with distilled water and place plastic insert with metal dispensing tip. Hold water dispenser vertically to dispense drops.

	Luting Consistency	Base Consistency
Dispense ratio	2 scoops/5 drops	2 scoops/3 drops
Mix Time	30 sec.	30-40 sec.
Work time (from start of mix)		
@ 23°C, 50% humidity	1'45" min	1'45" min
Set time @ 23°C	7'00" max	7'00" max
Compressive strength	8700 psi min	10,150 psi min

5. Mixing: Tylok® Plus cement may be mixed on the provided pad or on a glass slab. Initially combine half of powder with water until wetted, then incorporate balance of the powder. Mix rapidly (within 30 seconds) to creamy consistency for luting and putty-like consistency for bases. Slight additions of powder to the base consistency are acceptable to obtain desired handling properties.
6. Application: Use immediately upon completion of mix while surface has glossy appearance.
7. Finishing: Remove excess material when material has completely hardened. Do not disturb during rubbery stage.

### 4. HYGIENE



#### Cross-contamination

- Do not reuse single use products. Dispose in accordance with local regulations.
- Reprocess reusable products as described below.

#### 4.1 Cleaning and disinfection

To prevent containers from exposure to spatter or spray of body fluids or contaminated hands, or oral tissues, use of a protective barrier is recommended to avoid package contamination. Disinfect contaminated containers with a water-based hospital-level disinfection solution according to national/local regulations. Repeated disinfection may damage label. **NOTE:** Vigorous wiping can destroy the label. Wipe containers gently.

The supplied dispensing scoop may be cleaned by scrubbing with hot water and soap or detergent. Do not autoclave scoop. Disinfect as outlined below.

#### Disinfection of Re-Usable Scoop

Disinfect scoop with a hospital-level, tuberculocidal disinfectant solution according to national/local regulations. Iodophors, sodium hypochlorite (0.525%), chlorine dioxide and dual or synergized quaternary ammoniums are approved disinfectants. Some phenolic-based agents and iodophor-based products may cause surface staining. The disinfectant manufacturer's directions should be followed properly for optimum results. Water-based disinfectant solutions are preferred.

### 5. LOT NUMBER AND EXPIRATION DATE

1. Do not use after expiration date. ISO standard is used: "YYYY/MM"
2. The following numbers should be quoted in all correspondence.
  - Reorder Number
  - Lot number
  - Expiration date



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