



# DuraLay

INLAY PATTERN RESIN

Gives Sharper Margins

Burns Out Cleaner

Saves Chair Time



Reliance Dental Manufacturing, LLC.

For Product Updates & Information, sign up at [reliancedental.net/contact/updates](https://reliancedental.net/contact/updates)

# The DuraLay Brush Method for Precise Inlay Patterns

## DIRECT APPLICATION

1. Pour a small portion of DuraLay powder into one dappen dish and about 6 drops of DuraLay liquid into another.
2. Dry cavity of tooth with blast of air and coat with a thin film of DuraLay lubricant to facilitate removal of pattern. Brush off excess.
3. Dip small brush in liquid and then into center of powder (do not touch dish) to pick up a bead on tip of brush. Place in base of cavity. If mix is too thick to flow into place, dip brush into liquid again and touch it to the mix.
4. After floor of cavity is covered, use large brush in same manner to pick up larger quantities and fill in remainder of preparation. Flow of DuraLay can be controlled and directed with brush to approximate shape of tooth.
5. When pattern is set (this will take an additional two minutes after last layer is applied), check bite, trim margins and carve as desired, in or out of the mouth, with bur, disk or rubber wheel.
6. For casting, tack on sprue with wax, and invest and burn out in usual manner. The DuraLay pattern will volatilize in 40 minutes at 800° F / 427° C leaving no residue.



Moisten  
brush  
in liquid.



Pick up  
bead of  
powder.



Deposit  
powder in  
preparation.



Repeat until  
preparation  
is filled.



Remove  
pattern for  
casting.

## INDIRECT APPLICATION

The DuraLay Brush Method is equally fast and accurate for building patterns for inlays and bridges on stone, investment or amalgam casts. Rub DuraLay lubricant into model and apply DuraLay beads in same manner as for direct inlays.

**MATRIX BANDS** — On M.O.D.'s, three-quarter crowns and full crowns, a matrix is recommended. The matrix will separate easily from the hardened DuraLay. Trim pattern to desired shape, resetting in position to check; then add contact points.

**PACKING METHOD** — Make a very thin mix using approximately equal portions of DuraLay powder and liquid by spatulating on a cement slab or stirring in a dappen dish. Then pack into matrix-contained cavity with instrument. Cover with cellophane or tinfoil and have patient come to occlusion to secure compression. Hold in position until pattern hardens. Remove from tooth; trim to desired shape.

**USE OF WAX** — Contact points and occlusal surfaces may be added with inlay wax after DuraLay base or core has hardened. Wax may be used also for three-quarter and full crowns, linguals, occlusals, and to check margins.

**UNDERCUTS** — If undercuts exist in the preparation, it will be necessary to disk or bur through the pattern, remove it, adjust preparation, and reconstruct pattern.

**HANDLING** — As DuraLay liquid evaporates during building process, the resin forms a dense, accurate, non-shrinking pattern that may be trimmed, handled and invested without fear of breakage, chipping, distortion or temperature changes. A DuraLay pattern is almost indestructible.

**PLASTIC TEETH** — No separating foil is necessary except when bite is against plastic teeth or fillings, or when packing method is used.

**UPPER TEETH** — For upper teeth, it is best to place first bead of DuraLay in gingival portion of preparation. Enough of it will adhere to gingival section to form a base and permit building of additional layers.

**CHAIR TIME** — Each layer of DuraLay hardens rapidly, so that the initial applications have set by the time the outer layer is applied. Pre-warming powder will accelerate hardening - chilling will slow it. The complete operation should take about 5 minutes after handling has become familiar. Seating of finished inlays from DuraLay patterns saves considerable chair time.

## USES OF DURALAY

1. Direct Technique for Cast Posts and Cores
2. Connecting Metal Copings
3. Transfer Copings
4. Connecting a Metal Casting to a Removable Partial Denture
5. Stationary Dies
6. Inlay Impressions
7. Bite Registration

**COMBINATION KIT:** 2 oz. Powder; 2 oz. Liquid; Dropper, Lubricant; Three Brushes; Two Dappen Dishes

**STANDARD PACKAGE:** 2 oz. Powder; 2 oz. Liquid; Lubricant; Dropper

**LABORATORY PACKAGE:** 8 oz. Powder; 8 oz. Liquid; Lubricant; Dropper

**STUDENT KIT:** 1 oz. Powder; 1 oz. Liquid; Lubricant; Dropper



**Reliance Dental Manufacturing, LLC • 5805 W. 117th Place • Alsip, IL 60803**

European Representative: Richard L. Milano Via Tiepolo 10126 Torino, Italy