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Utah Valley Dental Lab

ALL-ON-4 TUTORIAL

Clinical guide made for clients of Utah Valley Dental Lab

Upper and Lower Set Up for All-on-4



Duplicate Dentures



Cut out area marked



Trough out lingual for Surgical Template



Add 30-45 degree angulation for posterior implant

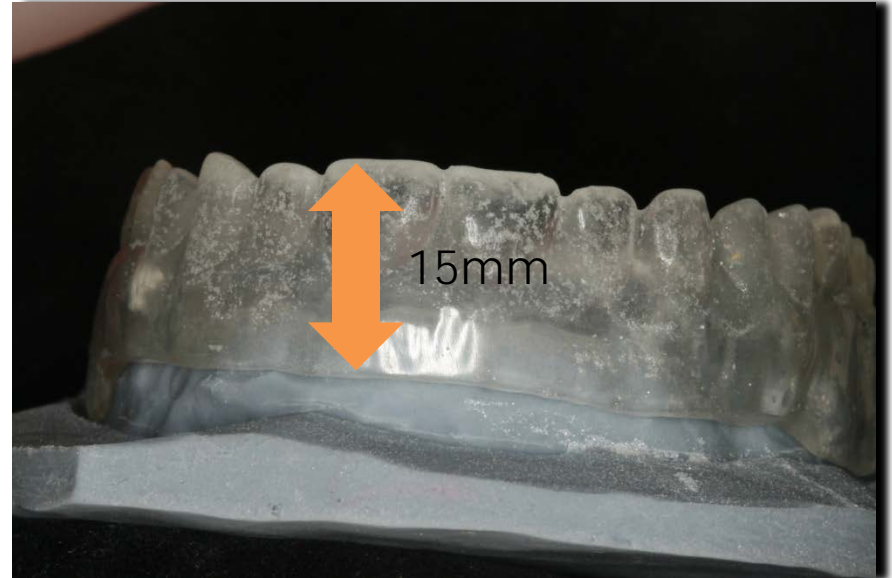


Polish and remove sharp areas

Upper Denture



Guide were implants may be placed



15mm height from incisal to desired bone level

Lower Denture



Area where implants may be placed



The amount of ridge reduction for placement of implants

Immediate Denture



SET UP

UPPER/LOWER

IMMEDIATE

COPING

POSITION

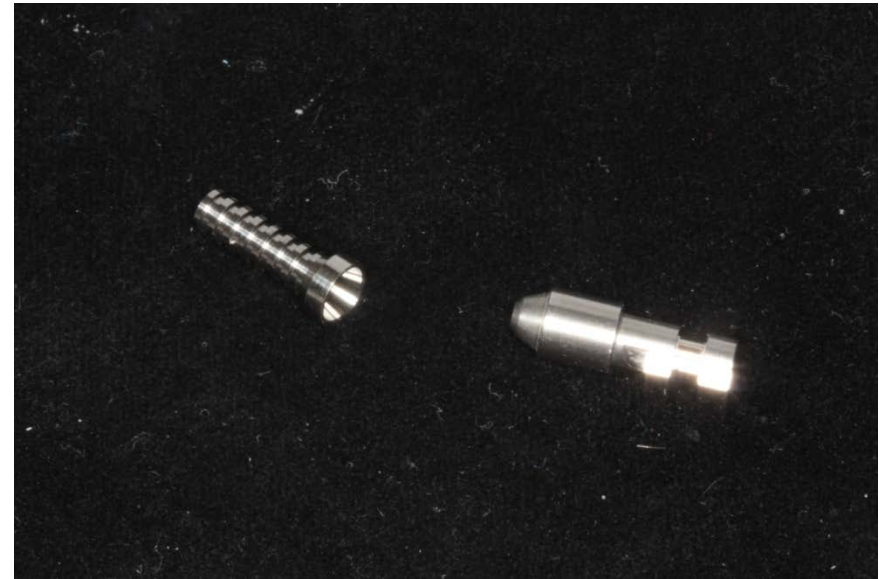
AQUASIL/3M

FINAL PLACING



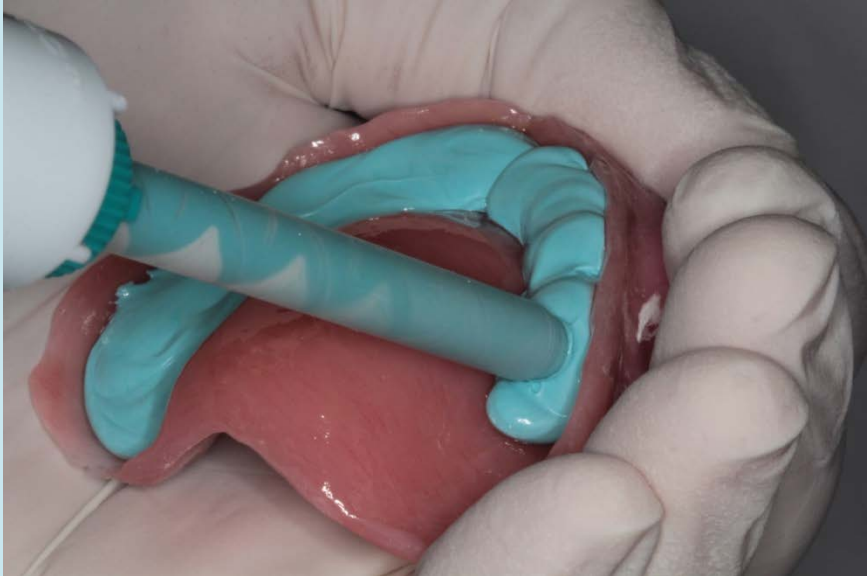
Making a bite to verify placement in the mouth.

Temporary Coping Multi-unit

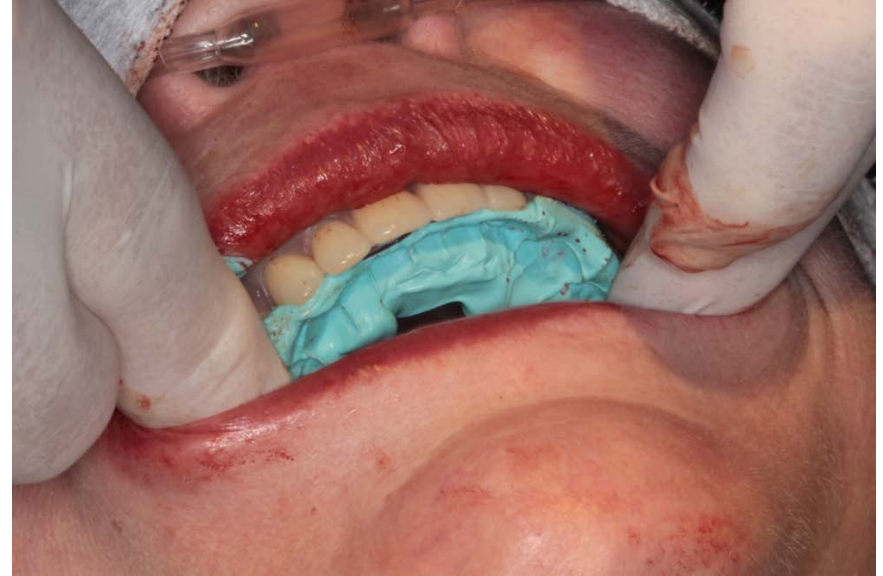




Cut 2mm off temporary abutment for easier use

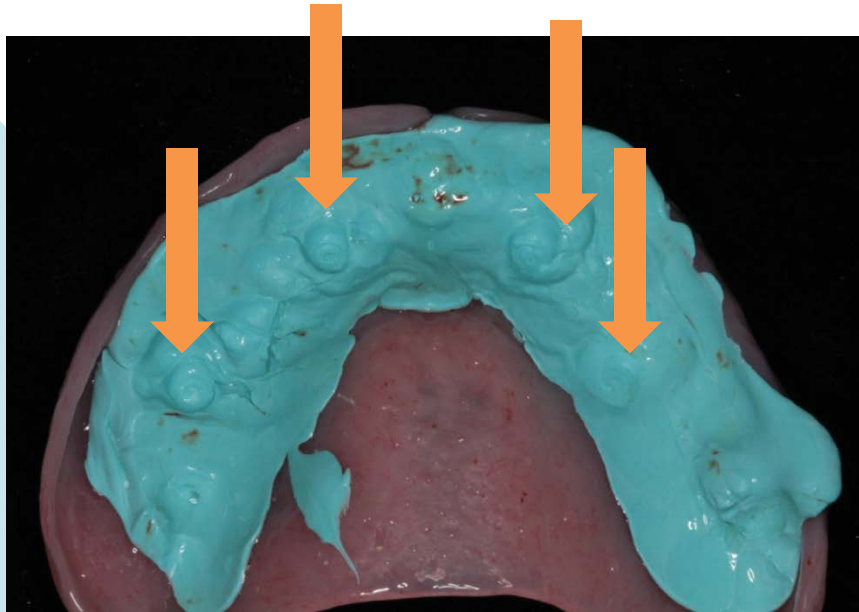


Use Blue Mousse to line denture to index position of the abutments.



Use bite to index position correctly.

Indexed Position Of Abutments

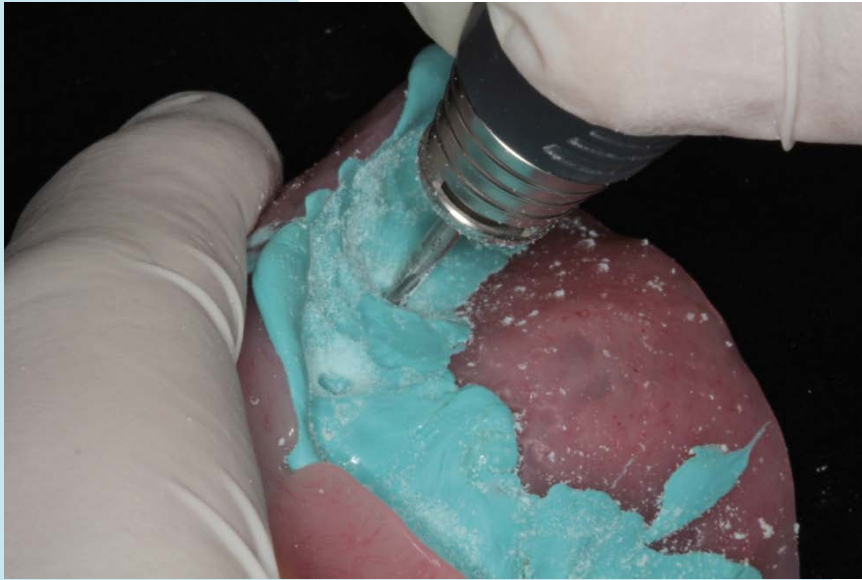




Carbide Cutter



Hollow out space in
denture for Temporary
Coping



SET UP

UPPER/LOWER

IMMEDIATE

COPING

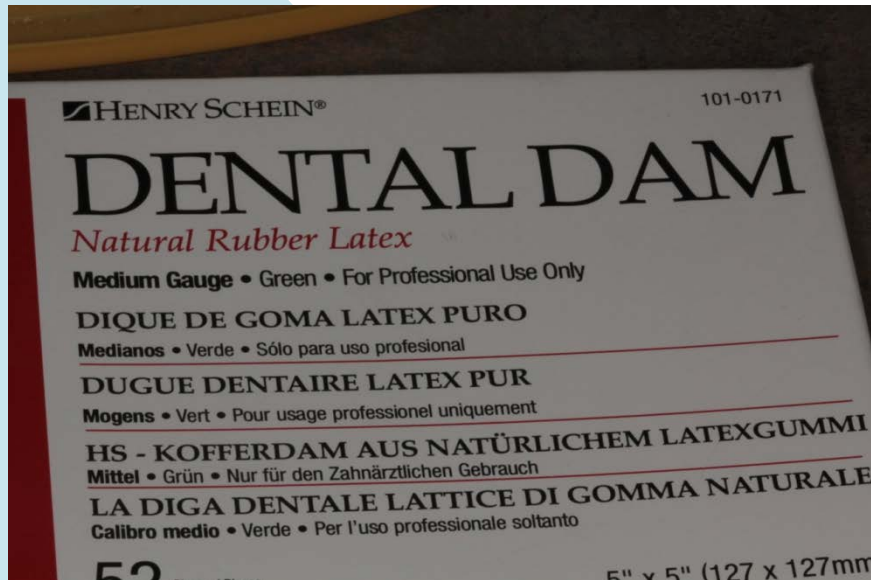
POSITION

AQUASIL/3M

FINAL PLACING



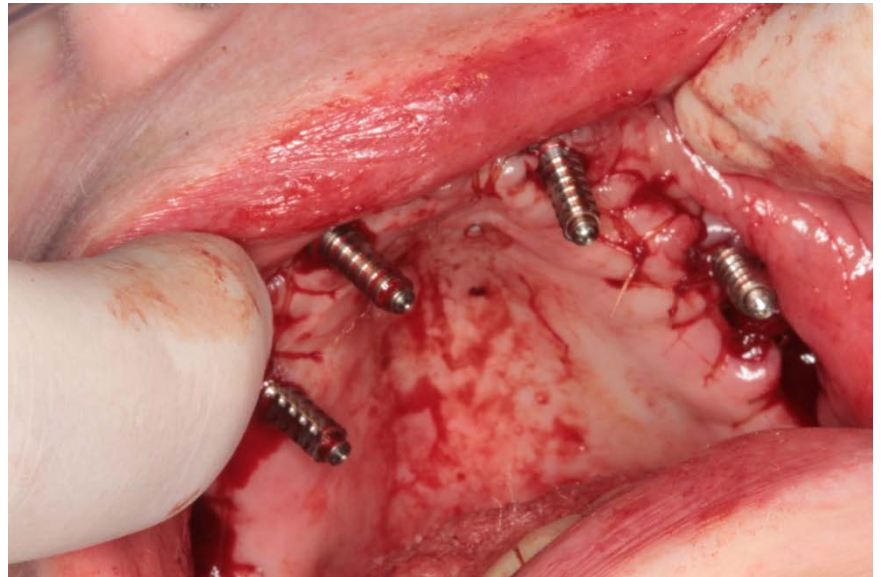
Hollowed out areas for Temporary Coping Multi-unit



Cutting out piece that will
fit in mouth



Use guide pins for temporary copings.
(Prosthetic screws will be use later)



Attach Temporary
Coping to Mult-Unit
Abutment



Mark Dental Dam where Temporary
abutments were placed

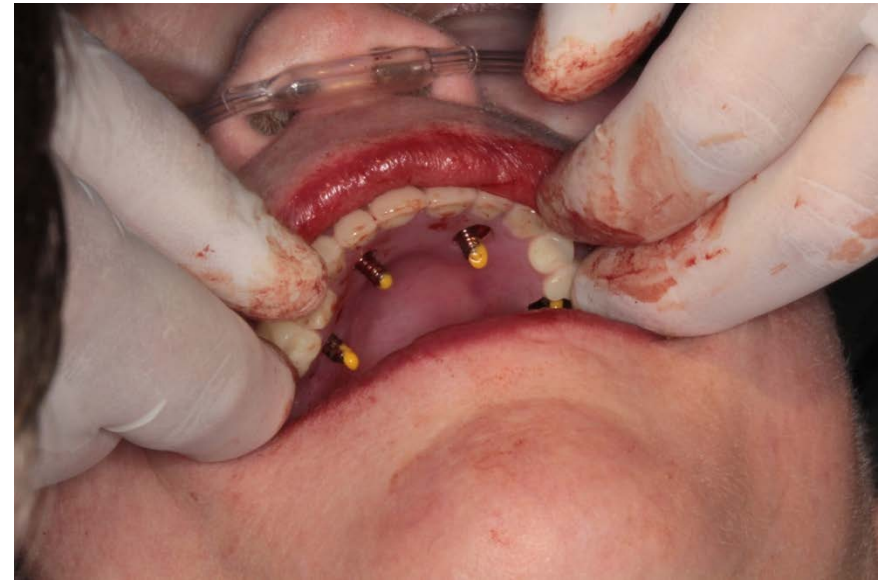


Punch out areas marked
using rubber punch



Place Dental Dam over
Temporary abutments

Aquasil Ultra Xlv Fast Set

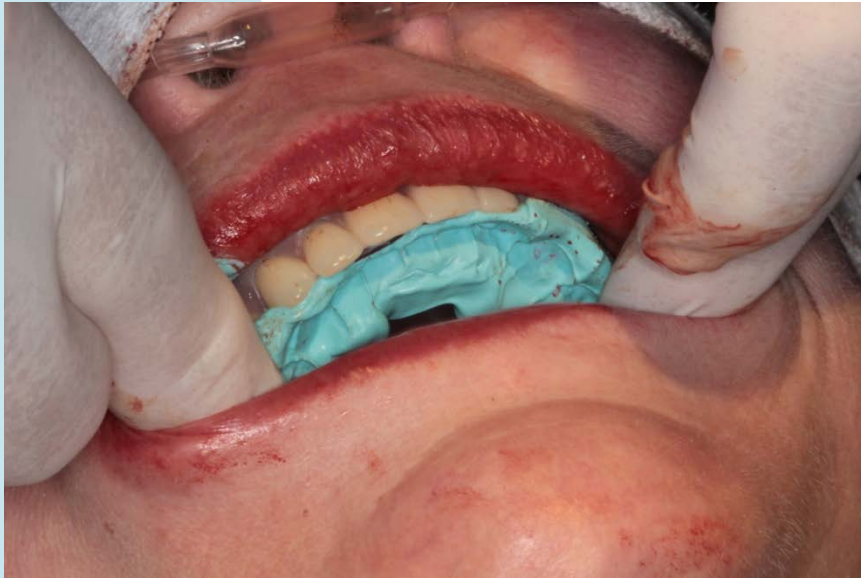


Fill in access hole of
Temporary abutment

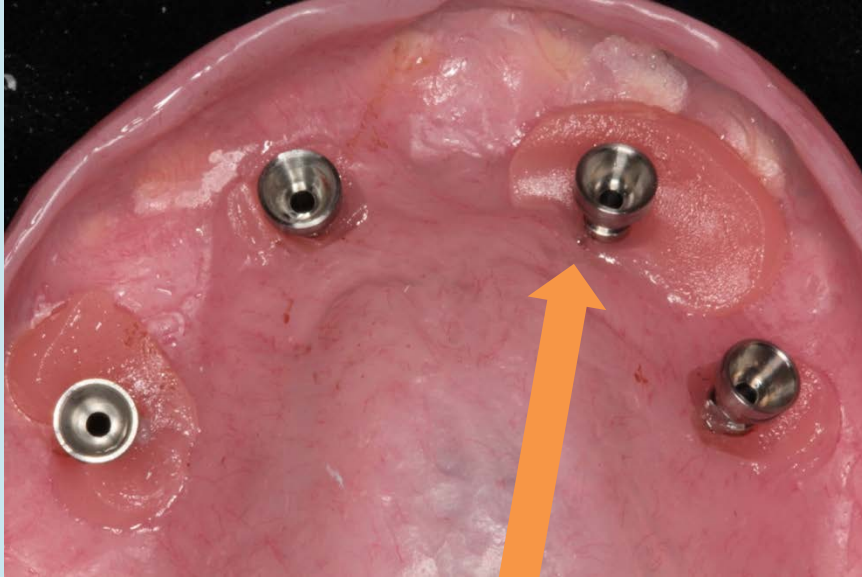
3M Secure Hard Pick-up Material



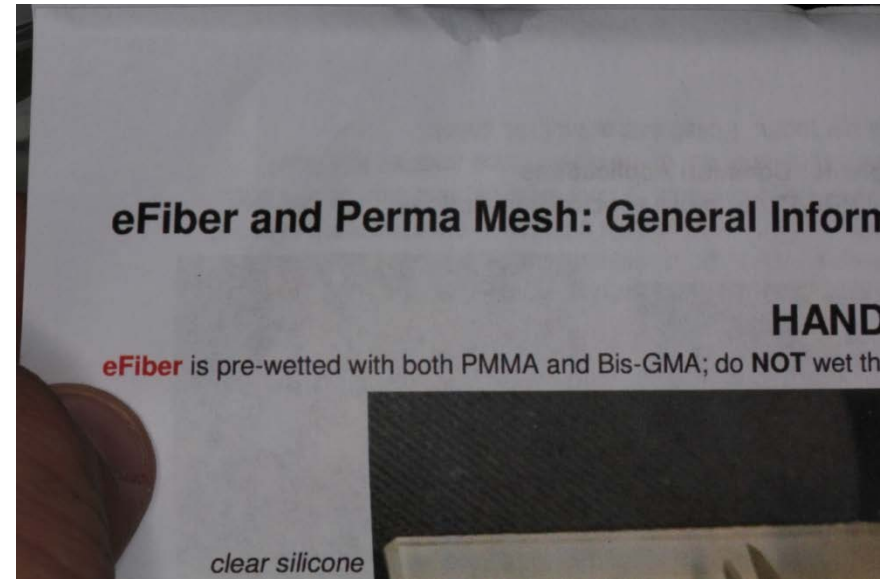
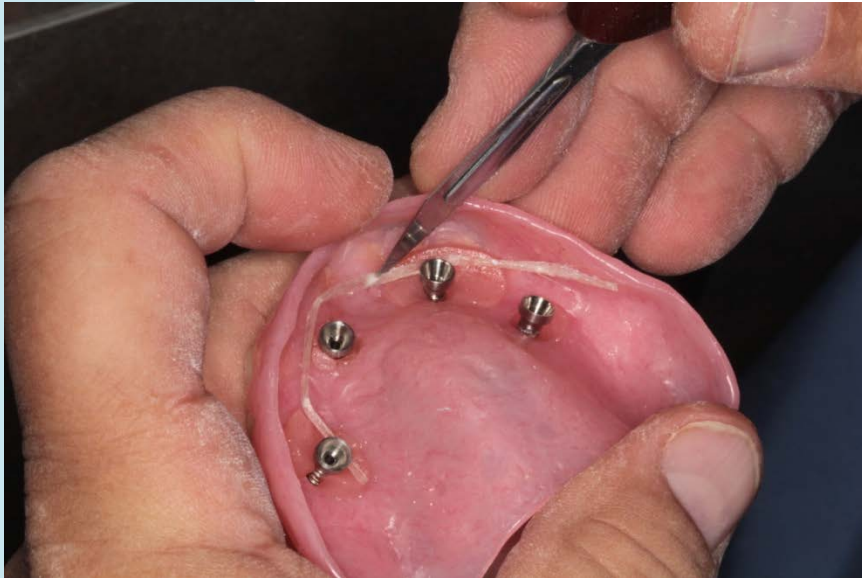
Fill in access holes as much as possible in order to pick up Temporary abutments



Put bite in place and close while acrylic material sets
(5 to 10 minutes set time)



Captured Temporary abutments in denture



eFiber and Perma Mesh to strengthen the denture
(by Preat)



Light cure eFiber to set-up



Fill in areas that did not get captured in pick-up



Do not fill past the bevel of the temporary coping



Place in hot water for
acrylic to cure faster



SET UP

UPPER/LOWER

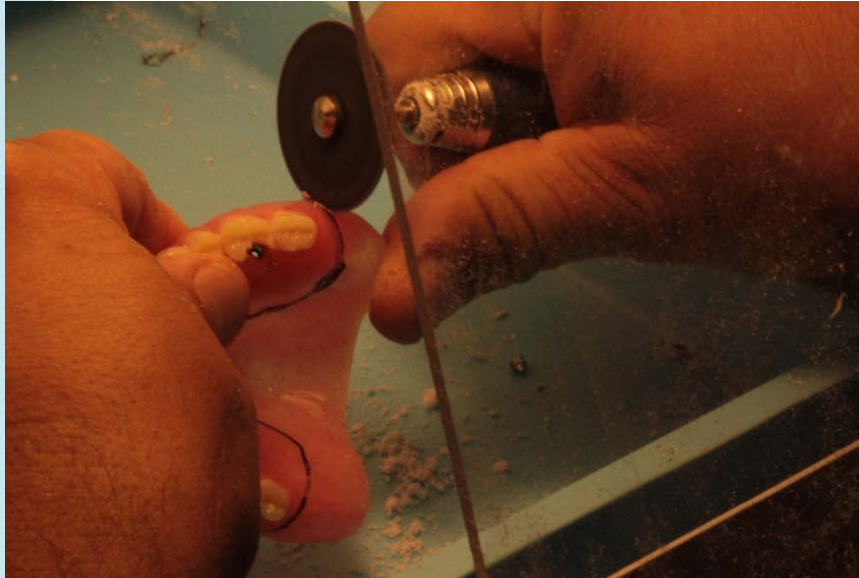
IMMEDIATE

COPING

POSITION

AQUASIL/3M

FINAL PLACING



Cut off excess areas no longer needed





Grind down Temporary
abutment smooth



SET UP

UPPER/LOWER

IMMEDIATE

COPING

POSITION

AQUASIL/3M

FINAL PLACING



Glaze areas as needed and light cure

Final Placed in Mouth

