

# EVOLVE MATRIX



∞ BIOCLEAR

EVOLVE MATRIX HEIGHT INDICATOR TECHNIQUE GUIDE

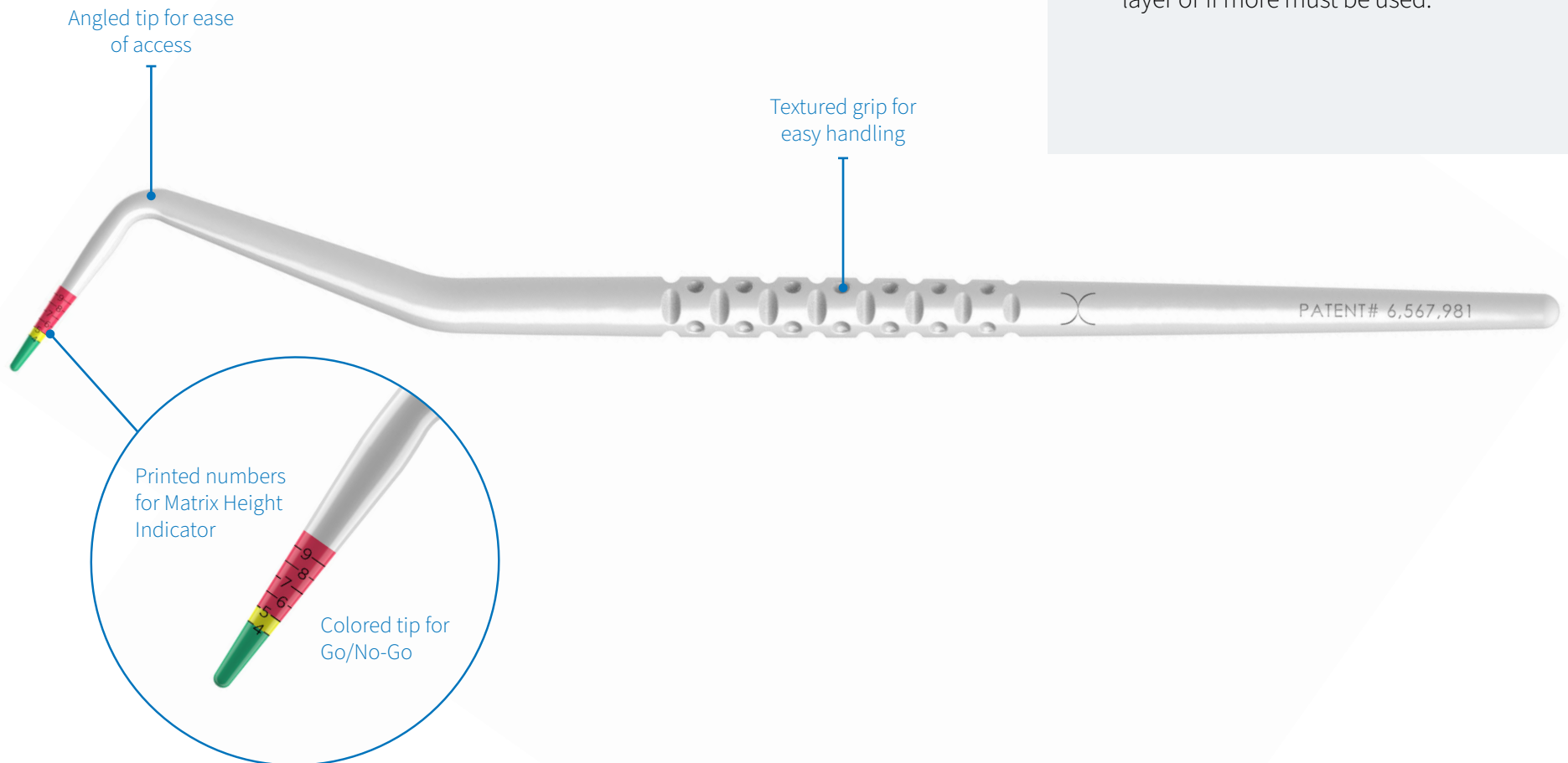
# EVOLVE MATRIX HEIGHT INDICATOR

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The Bioclear Evolve Matrix Height Indicator is designed for posterior restorations and has two uses:

**Matrix Height Indicator:** Numbers are printed on the indicator so the correct Evolve matrix for a restoration is chosen the first time. This helps reduce waste when incorrect matrices are chosen.

**Go/No-Go Indicator:** The colored tip indicates if a cavity prep can be cured in one layer or if more must be used.



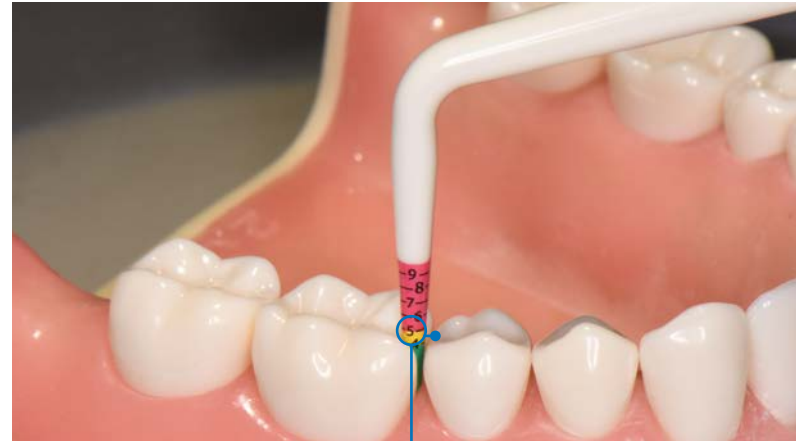
# MATRIX HEIGHT INDICATOR

## INSERTION

Insert the indicator straight into the oral cavity (incisor area) as seen here. Keep the lines in the height indicator parallel to the tooth.

When measuring the cavity prep, the best reference point for height is the marginal ridge of the neighboring tooth.

**Tip for back-to-back restorations:** When doing back-to-back restorations, neither marginal ridge will be available. Instead use multiple landmarks like occlusal margins, the central groove, and cusp tips to estimate where the marginal ridge will be when done.



**MEASUREMENT = 5**

Depth of the cavity in relation to the marginal ridge of the neighboring tooth.

**IS THERE BONE LOSS?**

**NO**

Add 1mm to the reading.

**YES**

Add 2mm to the reading.



**5 + 1 = 6**

Use the 6mm Matrix.



**5 + 2 = 7**

Use the 7mm Matrix.

## MEASUREMENT CALCULATION

Once you have measured the depth of the cavity in relation to the marginal ridge of the neighboring tooth, you will generally need to add 1-2mm from that reading.

- Teeth with no bone loss: add 1 mm
- Teeth with bone loss: add 2 mm

Make sure the matrix you choose is tall enough to seat all the way down to the periodontal ligament in order to seal the matrix to the tooth and create a good margin without overhangs.

**Tip:** For advanced perio, very deep caries, or cuspal overlay cases, you may need to add 3mm or 4mm.

# GO/NO-GO INDICATOR

After the cavity preparation is complete, insert the Evolve Matrix Height Indicator into the preparation. Find on which color the marginal ridge will fall after composite has been injected. The color will indicate if the restoration is a “Go” or “No-Go.”

USE THIS KEY TO DECIDE HOW TO PROCEED:



## GREEN = GO

The composite will be less than 4mm and, if necessary, can be cured from the occlusal only (bulk fills generally have a 4mm max depth of cure on the occlusal).



## YELLOW = GO WITH CONDITIONS

The composite will be between 4mm and 5mm and can be fully cured ONLY if you have access at the interproximal and can 3-point cure (curing from the buccal, lingual, AND occlusal) with a clear matrix.



## RED = NO-GO

The composite will be deeper than 5mm. To solve this problem, put down 1mm or 2mm of flowable composite at the bottom of the prep, cure it, and then injection mold with bulk fill—effectively making the restoration less deep by putting one layer down.

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**Tip:** The best reference point is the marginal ridge of the neighboring tooth. If you are doing a back-to-back restoration and no marginal ridge is available, then use the gauge to estimate the height the composite should be when you are finished injection molding but before curing.