

98%
rating at
recall

Glidewell Laboratories
glidewell dental.com

Description

CAMouflage NOW is a nano-hybrid, resin-ceramic that exhibits excellent esthetics and strength. The resin blocks can be milled into inlays, onlays, veneers and crowns. **CAMouflage NOW** blocks do not require firing, staining or glazing prior to delivery. This clinical evaluation by DENTAL ADVISOR focused on only crowns.

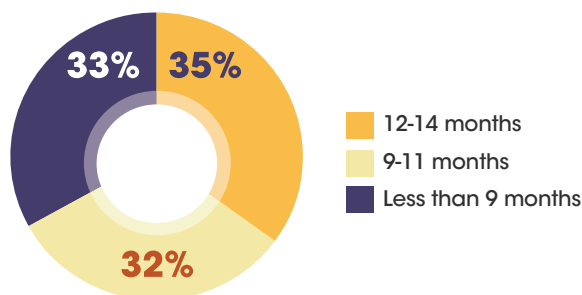
Clinical Evaluation Protocol

Ninety-seven **CAMouflage NOW** restorations were prepared by Glidewell Laboratories. Twenty-one percent were anterior crowns and 79% were posterior crowns. All teeth were prepared following Glidewell Laboratories' tooth preparation guidelines. Crowns were milled and then micro-etched with 50 um alumina by Glidewell Laboratories. All **CAMouflage NOW** crowns were seated according to the directions and products provided by Glidewell Laboratories. For cementation of the crowns, the teeth were treated with *Gluma Desensitizer* (Kulzer), *Optibond XTR Primer* (Kerr Restoratives) and *Optibond XTR Adhesive* (Kerr Restoratives). The crowns were treated with *Optibond XTR Adhesive* (Kerr Restoratives) and then cemented with *Maxcem Elite* (Kerr Restoratives).

Results at One Year:

Eighty-seven **CAMouflage NOW** restorations were seated and monitored during the first year. Thirty-five percent of the restorations have been in function for 12-14 months, 32% for 9-11 mo and 33% for 9 mo or less (Figure 1). To date, 64 (74%) of the 87 restorations have been recalled and evaluated and rated on a scale of 1 to 5 in the following categories: esthetics, resistance to fracture/chipping, resistance to marginal discoloration, wear resistance, and lack of sensitivity.

Fig. 1: Length of time in function of **CAMouflage NOW** restorations.



CAMouflage Now #3 at 8 months



CAMouflage Now #23, 24 at 1 year and #25, 26 at 4 months

Lack of Sensitivity

None of the patients reported any sensitivity with any of the teeth during the first year (Figure 2).

Esthetics

The majority of the cemented **CAMouflage NOW** restorations received a 5 or excellent rating at recall (Figure 2). Only 6 restorations received a 4 or very good rating.

Resistance to Fracture/Chipping

To date, three **CAMouflage NOW** restorations fractured and were replaced (Figure 2). Two crowns, tooth #28 where the distal marginal ridge chipped and #13 fractured, both replaced with BruxZir Anterior. Another crown on tooth #15 debonded while the patient was eating and fractured while chewing. It was replaced with BruxZir.

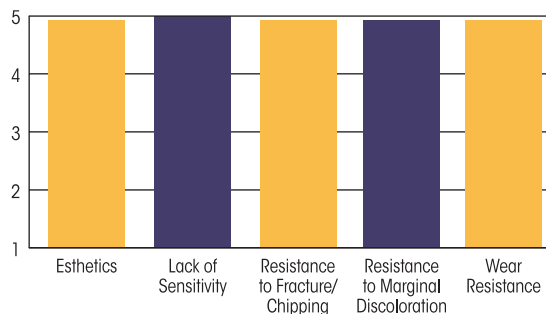
Resistance to Marginal Discoloration

Two **CAMouflage NOW** crowns exhibited slight microleakage at the facial and received a rating of 4 (Figure 2). All the remaining crowns exhibited no microleakage.

Wear Resistance

Wear of **CAMouflage NOW** was minimal at recall with only two crowns exhibiting minimal wear on the occlusal with a rating of 4 (Figure 2). All the remaining crowns exhibited no wear and received a rating of 5.

Fig. 2: Results of clinical performance of **CAMouflage NOW** restorations after one year.



Summary

CAMouflage NOW restorations have performed extremely well at the one-year recall and received a clinical performance rating of 98%. The quality of the restorations received from Glidewell Laboratories was in general exceptional.



CAMouflage NOW One-Year Clinical Performance

Glidewell Laboratories

Conclusion

Over the one-year period, the clinical performance of recalled **CAMouflage NOW** crowns was **exceptional**. Esthetics, lack of sensitivity, resistance to fracture/chipping, resistance to marginal discoloration, and wear resistance were **excellent**.



At one year, **CAMouflage NOW** received a clinical performance rating of

98%
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