

# THE DENTAL ADVISOR™

"Improving Patient Care Through Research & Education"



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THE DENTAL ADVISOR evaluates and rates dental products and equipment by objective clinical and laboratory protocols. The publication consists of clinical evaluations, comprehensive long-term evaluations, product comparisons and specialty reports. To subscribe, please call 734-665-2020.

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## BEST OF THE BEST PROVISIONAL MATERIALS

Five composite provisional materials were highly rated by THE DENTAL ADVISOR in individual clinical evaluations. These materials are now being compared to determine the *Best of the Best*. The ratings, as given at the time of each product's original evaluation, are shown in **Table 1**.

Composite Provisional Material	Company	Rating
<b>3M ESPE Protemp 3 Garant Temporization Material</b>	3M ESPE	4.5+/93%
<b>InstaTemp</b>	Sterngold Restorative Systems	5+/96%
<b>Integrity</b>	DENTSPLY Caulk	4.5+/93%
<b>Luxatemp</b>	Zenith Dental/DMG	4.5+/94%
<b>Systemp.C&amp;B</b>	Ivoclar Vivadent	4.5+/92%

Table 1

Characteristic	Protemp 3 Garant	InstaTemp	Integrity	Luxatemp	Systemp.C&B
Loading/mixing/dispensing	4.96	4.92	4.95	5.00	4.95
Viscosity/flow	4.85	4.28	4.64	4.94	4.58
No voids/bubbles	4.58	4.41	4.45	4.64	4.32
Setting time	4.40	4.78	4.45	4.91	3.84
Ease of removal after set	4.69	4.85	4.68	5.00	4.68
No excess on teeth	4.10	4.50	4.11	4.70	4.05
No air-inhibited layer	4.08	4.46	3.86	4.68	4.05
Ease of repair	4.67	5.00	4.50	5.00	4.50
Ease of finishing/polishing	4.56	4.68	4.85	5.00	4.58
Quality of polish	4.60	4.54	4.78	4.97	4.44
Final shade/aesthetics	4.72	4.58	4.59	4.97	4.42
Fit of temporary	4.74	4.69	4.73	4.94	4.89
Retention of temporary	4.67	4.26	4.71	4.77	4.38
<b>OVERALL AVERAGE</b>	<b>4.59</b>	<b>4.61</b>	<b>4.56</b>	<b>4.88</b>	<b>4.44</b>

Table 2

## Clinical Protocol

Clinical consultants prepared 19 to 33 provisional restorations using each of the materials listed in **Table 1**. The characteristics were scored on a scale of 1 to 5 (1 = poor, 5 = excellent).

## Results

The scores for each of the 13 characteristics evaluated and the overall average score for each composite provisional material are listed in **Table 2**.

### Composite Provisional Material

- 1<sup>st</sup> **Luxatemp**  
2<sup>nd</sup> (tied) **InstaTemp**  
2<sup>nd</sup> (tied) **3M ESPE Protemp 3 Garant Temporization Material**  
2<sup>nd</sup> (tied) **Integrity**  
3<sup>rd</sup> **Systemp.C&B**

## Summary

While all are considered excellent materials, the objective of this evaluation was to select the *Best of the Best*. **Luxatemp** was awarded the *Best of the Best* based on its outstanding clinical characteristics, including the highest score for viscosity, setting time, no residue left on the teeth, lack of an air-inhibited layer, quality of polish and esthetics, and fit. ■

**Editors' Note:** The scores for the three products tied for second place are not statistically different.



THE DENTAL ADVISOR  
PROVISIONAL MATERIALS



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