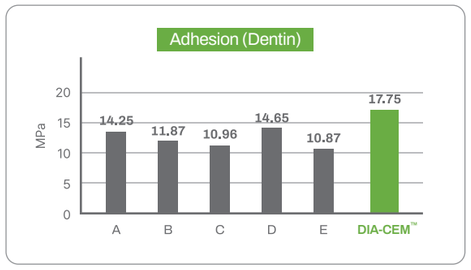
DIA-CEM™ DUAL-CURE ADHESIVE RESIN CEMENT NEW

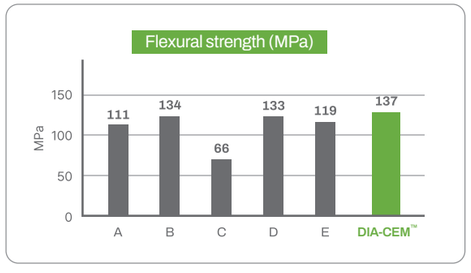


Benefits

- **Easy dispensing and mixing**
  - Dia-Cem is a two-paste cement filled in a double-barreled syringe that makes it easy to dispense using eco tip and mixing tip the 1:1 ratio components onto a mixing paper and dental prosthesis.
- **Easy Clean-up of excess cement**
  - Specifically formulated to allow for quick and easy removal cement
- **Tack curing method**
  - Tack curing any excess cement for 1~2 seconds at several spots and the semi-cured excess cement can be removed easily.
- **Chemical curing method**
  - Leave any excess cement for 2~4 minutes after placement of the prosthetic restoration and the semi-cured excess cement can be removed easily.



Adhesion (Dentin)	Average (MPa)
A	14.25
B	11.87
C	10.96
D	14.65
E	10.87
DIA-CEM™	17.75



	Flexural strength (MPa)	Film thickness (μm)
A	111	10.9
B	134	21.9
C	66	38.3
D	133	38.3
E	119	27.4
ISO4049	More than 50MPa	Less than 50μm
DIA-CEM™	137	12.8

Packages

- 1 Syringe of 9g
- 3 Auto Mixing Tips
- 3 Root Canal Tips
- 1 Eco Tip

Shade	ITEM No.
TR (Clear)	A2004-2104
A2	A2004-2105
A3O	A2004-2106

DIACEM™ TEMPNE ZINC OXIDE NON-EUGENOL TEMPORARY CEMENT NEW

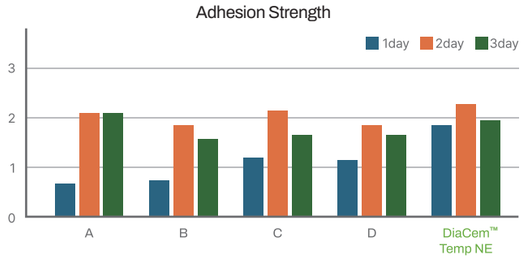


Indications

- Zinc oxide / Non-eugenol temporary cement
- Temporary cementation of crowns, bridges, inlays, onlays, etc.
- Temporary cementation of temporary / permanent restorations

Benefilts

- Does not inhibit the polymerization of acrylic resin and temporary cements.
- Can be used for patients allergic to eugenol.
- The restoration can be easily removed at any time.
- Adequate flow properties and excellent resistance to chewing stress.
- Excellent initial adhesion and consistent durability. Suitable removal strength.
- Maintain a stable phase
- Good workability with long working time and fast setting time.
- Working time ≥ 1:30 min. (37℃ Rh 95%, intraoral)
  Setting time ≤ 5min. (37℃ Rh 95%, intraoral)



Adhesion (KPa)

	1day	3day	7day
A	0.52	2.02	2.03
B	0.66	1.90	1.54
C	1.46	2.34	1.50
D	1.09	1.88	1.57
DiaCem™ Temp NE	1.89	2.43	1.97

Advantages

- **Adhesion**
  - The initial (1-day) adhesion is superior to that of competitors.
  - The adhesion is maintained at a constant level after 1 day.
- **Workability**
  - The working time is more than 2.5 minutes, which is so it is easy to work with and the setting time is not slow.
- **Phase stability of the base**
  - Most of the competitive products of DiaCem Temp NE have a lot of phase separation during accelerated aging test and even during storage at room temperature.
  - When phase separation occurs, the liquid phase is discarded and mixed. Also, the viscosity is not constant and the curing speed is not constant.

	Working time (ISO3107 standard)	Setting time (37℃ Rh95%)
A	01:00	01:15
B	02:00	03:10
C	00:45	01:15
D	02:15	03:10
E	01:30	02:30
DiaCem™ Temp NE	02:30	03:15

Packages

- **ITEM #A2004-6911**
  - 2 Syringes of 10g
  - 10 Automixing tips
  - 2 Eco tips
  - 2 Eco tip caps