Ketac-Cem®
Permanent Glass Ionomer Cement

Driven to Excellence for 50 Years
Ketac-Cem®
Proven performance with the most convenient delivery system for glass ionomer cements

Successfully used by dentists for more than 15 years, Ketac-Cem is known for outstanding chemical bonding to tooth structure without conditioning, excellent mechanical properties and high fluoride release.

The unique Aplicap®/Maxicap® capsulized delivery system provides:

- simplified and reliable handling.
- consistent powder-to-liquid ratio.
- single-use capsules for asepsis.
- angled dispensing nozzle for easier placement and control in hard-to-reach places.

The fast, efficient and economical Aplicap/Maxicap system reduces waste and saves time by eliminating hand-mixing.

ESPE... Driven to Excellence
ESPE Dental-Medizin GmbH & Co. KG of Germany, with North American headquarters in Norristown, Pa., is the world's leading manufacturer of innovative consumable products and small devices for the dental profession. Founded in 1947, the company specializes in the manufacture of impression materials, cements, glass ionomers, composites, small equipment, and temporary crown and bridge material. With more than 500 international patents and pending patents, ESPE is meeting the requirements of dental practices throughout the world. All ESPE products are 100% satisfaction guaranteed.
Minimal film thickness
A low film thickness of 11 µm (microns) ensures precise-fitting restorations.

Exceptional adhesion
Ketac-Cem® adheres to both tooth structure and metal oxides with no conditioning for an easier technique than hybrid cements. Outstanding adhesion to dentin has been demonstrated compared to currently available compomer and composite luting cements.¹

High fluoride release
Ketac-Cem releases fluoride ions that can be absorbed by adjacent tooth structure.

Low coefficient of thermal expansion
With a tooth-like coefficient of thermal expansion, Ketac-Cem helps prevent marginal leakage caused by thermal influences.

Ideal setting characteristics
Ketac-Cem combines a long working time, to facilitate placement, with a rapid setting time, to reduce the risk of contamination by fluids. Easy clean-up speeds the procedure.

Stability
Ketac-Cem exhibits high compressive and flexural strength to stand firm under pressure.

Radiopaque
High radiopacity (230%) ensures easy detection.

Indications
- Crowns
- Bridges
- Inlays
- Onlays
- Orthodontic bands
- Posts

Minimal film thickness

<table>
<thead>
<tr>
<th>Film Thickness²</th>
<th>Ketac-Cem</th>
<th>Durelon® GI Hybrid</th>
<th>Fleck's®</th>
<th>Panavia®</th>
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<tbody>
<tr>
<td>µm (microns)</td>
<td>11</td>
<td>13.4</td>
<td>23.1</td>
<td>26.4</td>
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Extremely low solubility
Ketac-Cem is virtually insoluble in the oral environment to promote a long-term marginal seal.

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Ordering information

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<tr>
<th>Product #</th>
<th>Description</th>
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<tr>
<td>056054</td>
<td>Aplicap® Intro Pack 50 capsules, Activator, Applier and accessories</td>
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<td>056016</td>
<td>Maxicap® Intro Pack 50 capsules, Activator, Applier and accessories</td>
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<td>056061</td>
<td>Aplicap Standard Pack 50 capsules</td>
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<td>073040</td>
<td>Aplicap Activator</td>
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<td>Maxicap Activator</td>
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<tr>
<td>073070</td>
<td>Maxicap Applier</td>
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037201 Ketac-Cem Radiopaque Intro Pack powder (33 g) and liquid (12 mL)
037231 Triple Pack
3 powder (33 g) and 3 liquid (12 mL)
037251 Giant Pack
10 powder (33 g), 10 liquid (12 mL) and 5 mixing pads
037211 Intro Powder (33 g)
037221 Intro Liquid (12 mL)

Available through your Authorized ESPE Dealer. For more information, call 1-800-344-8235; http://www.espeusa.com

Reference Literature

3Data on file at ESPE.
• Fleck's, Panavia, Duet, Vitremer and Advance are not trademarks of ESPE.