INSTRUCTIONS FOR USE

Indications for use: Filling material as a treatment for dental caries.
Contraindications for use: Do not use in persons with a known mercury allergy.

F-400: is a superior, micro-grain, lathe-cut alloy, for the preparation of die retention. The alloy contains silver which varies between 1/1.1/1 to 1/1.14 depending on the size and setting time. i.e. 52.3% to 53.3% by weight depending on the compressive strength of F-400 is 400 MPa, and the dimensional change during hardening is +0.02%

F-400 capsules have a grey body and the coloured plunger denotes the spill size, whilst the coloured base indicates the setting time.

INSTRUCTIONS:
1. Select the appropriate size capsule according to colour coding.
2. With the capsule inverted, slowly press the plunger end of the capsule against the surface of the amalgam. (see figure 1) until the small separating diaphragm is flush with the capsule body (see figure 2). THIS IS MOST IMPORTANT. Initially, resistance will be felt, then suddenly released as the plunger pierces a diaphragm allowing the mercury to enter the mixing chamber.
3. Slightly spread the amalgamator clips and carefully insert the capsule. Ensure that the capsule is securely anchored between the clips. (see figure 3).
4. Select the appropriate mixing time from the suggested mixing times (see table 1). A range of mixing times is given to accommodate mixing variations that can occur due to machine type, age and line voltage. Correctly triturated amalgam will form into a bright homogeneous plastic mass. A hot, shiny, sticky mass indicates over triturated whilst a dull, dry or powdery mass is under triturated.
5. After trituration has been completed, carefully remove the capsule from the clip.
6. Tap the base end of the capsule sharply on the bench to ensure that the mixed amalgam is located in the base of the capsule (see figure 4). If the small separating diaphragm has come away from the capsule wall during activation and mixing, it will separate cleanly from the amalgam.
7. Separate the base from the body and remove the prepared amalgam from the capsule. If the small separating diaphragm has come away from the capsule wall. The wearing of gloves, glasses and protective clothing are recommended. The information provided herein is given in good faith, but no warranty expressed or implied is made. SDS available at www.sdi.com.au or contact your regional representative.

STORAGE:
It is recommended that this product be stored at temperatures below 25ºC / 77ºF in a well ventilated place.

Composition of alloy:
F-400: Ag 70%, Sn 26%, Cu 3.5%, Zn 0.5%

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Contra-indications for use:
Filling material as a treatment for dental caries.

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DANGER - POISON
WARNING - CONTAINS MERCURY

May be harmful if inhaled. Avoid breathing, ingestion or skin contact. Be sure to read all precautions and consult your supervising dentist.

Do not open capsules prior to trituration. Do not remove the coloured capsule from the capsule. The wearing of gloves, glasses and protective clothing is recommended for all handling of used capsules in accordance with national regulations.

Inhalation: Mercury may cause respiratory disorders including irritation and fluid retention.

Eyes & Skin: Mercury may cause irritation and allergic reactions.

Acute Exposure: Mercury may cause irritations and allergic reactions including dermatitis, digestive and respiratory disorders.

CAUTION: Federal law restricts this device to sale by or on the order of a licensed dentist.

Keep out of the reach of children. Single use only. Do not place the device in direct contact with other types of metals.

Spillages: Mercury presents a health hazard if incorrectly handled. Spillages of mercury should be removed immediately, including those spiltages which are difficult to access. Use a plastic syrup to draw it up. Smaller quantities can be collected by surface sponging and removed. Avoid inhalation of the vapour.

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This alloy contains ZINC, THE AMALGAM MADE THEREFROM MAY SHOW SIGNIFICANT EXPANSION IF MERCURY IS INTRODUCED DURING MIXING OR CONDENSING.

Mercury toxicity: Mercury may cause neurotoxic effects and renal damage. Ingestion: Mercury may cause irritations and allergic reactions. Inhalation: Mercury may cause respiratory disorders including irritation and fluid retention.

Acute Exposure: Mercury may cause irritations and allergic reactions including dermatitis, digestive and respiratory disorders.

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Table 1: Recommended amalgamator settings

F-400 trituration recommendations for 1, 2 & 3 spill

<table>
<thead>
<tr>
<th>AMALGAMATOR</th>
<th>SPEED SETTING</th>
<th>TIME (sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDI Ultramat</td>
<td>Single speed</td>
<td>7 +/-1</td>
</tr>
<tr>
<td>Capmix</td>
<td>Single speed</td>
<td>8 +/-1</td>
</tr>
<tr>
<td>Vari-Mix II</td>
<td>M2</td>
<td>8 +/-1</td>
</tr>
<tr>
<td>Vari-Mix III</td>
<td>M</td>
<td>8 +/-1</td>
</tr>
<tr>
<td>Silamat</td>
<td>Single speed</td>
<td>7 +/-1</td>
</tr>
<tr>
<td>Wig-L-Bug (Crescent)</td>
<td>Medium</td>
<td>16 +/-2</td>
</tr>
<tr>
<td>SC-40</td>
<td>Medium</td>
<td>23 +/-5</td>
</tr>
<tr>
<td>SODOR</td>
<td>Low</td>
<td>16 +/-2</td>
</tr>
<tr>
<td>DISBO</td>
<td>Low</td>
<td>20 +/-2</td>
</tr>
<tr>
<td>Spirit Pelican</td>
<td>3000 CPM</td>
<td>16 +/-2</td>
</tr>
<tr>
<td>Executive</td>
<td>16 +/-2</td>
<td></td>
</tr>
<tr>
<td>Tont</td>
<td>Single speed</td>
<td>12 +/-2</td>
</tr>
<tr>
<td>Basmat (Degussa)</td>
<td>1800 CPM</td>
<td>16 +/-2</td>
</tr>
<tr>
<td>Zenith</td>
<td>M</td>
<td>16 +/-2</td>
</tr>
</tbody>
</table>

NOTES: The ESPE Rotomix is not recommended for mixing SDI amalgam capsules. Capmix, Vari-Mix II, Vari-Mix III, Silamat, Wig-L-Bug, Spirit, Executive, Tont, Duomat and Zenith are not the registered trademarks of SDI Limited.

Last Revised: 08-2017