



ultracaps S

ENGLISH

INSTRUCTIONS FOR USE

Indications for use: Stress-bearing restorations in the posterior region (Class I and II), if other materials or restorative techniques are not indicated.

Ultracaps S contain a High-copper admix alloy and mercury in the ratio of 1/0.9. Activate the capsule and triturate to produce a non-gamma 2 amalgam, with reduced mercury vapour emission.

Ultracaps S are available as regular set in the following colour coded sizes.

Spill	Plunger	Alloy (mg)	Mercury (mg)	Box 50	Jar 500
1	blue	400	360	5301303	5321303
2	red	600	540	5302303	5322303
Condensing time (minutes)			6		
Carving time (minutes)			9		

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 a flat surface (see figure 1) until the flange of the plunger is flush with the capsule body (see figure 2). THIS IS MOST IMPORTANT. Initially, resistance will be felt, then a sudden release 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 trituration 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).
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 during activation and mixing, it will separate cleanly from the amalgam.
8. CONDENSATION:

Moisture contamination: If moisture has introduced into the amalgam before it has set, properties such as strength and corrosion resistance may be affected adversely. If the alloy contains zinc, such contamination may result in an excessive expansion (delayed expansion). Whenever it is possible, use a dry field.

Insertion of the amalgam should commence immediately after trituration. It is not necessary to express mercury prior to insertion. Traditional condensation techniques are recommended. Pack angles and undercuts with a small-faced pluggger, using sufficient pressure to ensure good adaptation. Build the restoration with additional portions until cavity is slightly over filled. Remove any mercury rich amalgam from the surface, that may develop during condensation.

9. FINISHING:

Trimming and carving can be commenced immediately condensation has been completed. Light burnishing can be used to advantage and if the restoration is polished, this procedure should be carried out after 24 hours. Avoid overheating by ensuring adequate water cooling and low speed polishing.

WARNING:

DANGER - POISON

Harmful if vapours are inhaled. Avoid breathing.
Keep container closed. Use with adequate ventilation.

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

- **Ingestion:** Mercury may cause neurotoxic effects and renal damage.
- **Inhalation:** Mercury may cause respiratory disorders including inflammation and fluid retention.
- **Eyes & Skin:** Mercury may cause irritations and allergic reactions.
- **Acute Exposure:** Mercury may cause irritations and allergic reactions including dermatitis, digestive and respiratory disorders.

California Prop 65 Warning: This product contains mercury, a chemical known to the State of California to cause birth defects or other reproductive harm.

Health Canada Warning: (1) Non-mercury filling materials should be considered for restoring the primary teeth of children where the mechanical properties of the material are suitable. (2) Wherever possible, amalgam fillings should not be placed in or removed from the teeth of pregnant women. (3) Amalgam should not be placed in patients with impaired kidney function. (4) In placing and removing amalgam fillings, dentists should use techniques and equipment to minimize the exposure of the patient and the dentist to mercury vapour and to prevent amalgam waste from being flushed into municipal sewage systems. (5) Dentists should advise individuals who may have allergic hypersensitivity to mercury to avoid the use of amalgam. In patients who have developed hypersensitivity to amalgam, existing amalgam restorations should be replaced with another material where this is recommended by a physician.

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

Keep out of the reach of children.

Spillages: Mercury presents a health hazard if incorrectly handled. Spillages of mercury should be removed immediately, including from places which are difficult to access. Use a plastic syringe to draw it up. Smaller quantities can be covered by sulfur powder and removed. Avoid inhalation of the vapour.

The information provided herein is given in good faith, but no warranty expressed or implied is made. MSDS available at www.sdi.com.au or contact your regional representative.

STORAGE: It is recommended that this product be stored at temperatures below 25°C.

Composition of alloy:

Ultracaps S: Ag 32%, Sn 33%, Cu 35%.

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AMERICAN DENTAL ASSOCIATION MECHANICAL AMALGAMATION REQUIREMENT

AMALGAMATOR

Cycles per second
Time of Mixing (Seconds)
Plastic Capsules

ULTRAMAT 2 (SDI)

75
8
(2 spill regular setting time)

Made in Australia by SDI Limited
Bayswater, Victoria 3153
Australia 1 800 337 003
Austria 00800 022 55734
Brazil 0800 770 1735
France 00800 022 55 734
Germany 0800 100 5759
Ireland 01 886 9577
Italy 800 780625
New Zealand 0800 734 034
Spain 00800 022 55 734

United Kingdom 00800 022 55 734
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PAK41227

Figure 1, Figura 1,

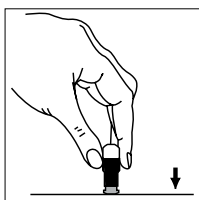


Figure 2, Figura 2,

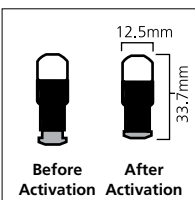


Figure 3, Figura 3,

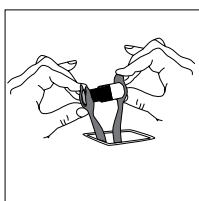


Figure 4, Figura 4,

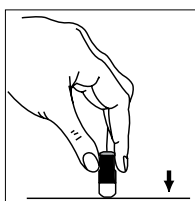


Table 1, Tabla 1,:

Recommended amalgamator settings / Tiempo recomendado de mezcla /

amalgamator		speed setting	ultracaps S
			Seconds
Ultramat 2 (SDI)		Fixed	8±1
Ultramat 5 (SDI)		Fixed	8
Capmix (ESPE)			8±1
Vari-Mix II (Caulk)		M2	8±2
Vari-Mix III (Caulk)		M	8±2
Silamat (Vivadent)		Fixed	7±1
Wig-L-Bug (Crescent):			
	LP-60	Medium	10±2
	SC-40		20±5
	S2000	Low	10±2
	DS80	Low	20±2
Spirit (Pelton Crane)		3500 CPM	10±2
Executive (Pelton Crane)			10±2
Torit		Fixed	12±2
Duomat (Degussa)		3800 CPM	10±2
Zenith		M	10±2
AutoMix (Kerr)		3600 CPM	10±1

NOTE: The ESPE Rotomix is not recommended for mixing SDI amalgam capsules. Capmix (ESPE), Vari-Mix II (Caulk), Vari-Mix III (Caulk), Silamat (Vivadent), Wig-L-Bug (Crescent), Spirit (Pelton Crane), Executive (Pelton Crane), Torit, Duomat (Degussa), Zenith, AutoMix (Kerr) and Rotomix are not the registered trademarks of SDI Limited.

NOTA: El ESPE Rotomix no está recomendado para mezclar las cápsulas de amalgama SDI. Capmix (ESPE), Vari-Mix II (Caulk), Vari-Mix III (Caulk), Silamat (Vivadent), Wig-L-Bug (Crescent), Spirit (Pelton Crane), Executive (Pelton Crane), Torit, Duomat (Degussa), Zenith, AutoMix (Kerr) y Rotomix no son marcas registradas de SDI Limited.

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