

3M ESPE

Express™

Vinyl Polysiloxane Impression Material Introdution System

Vinylpolysiloxan-Abformmasse – Einführungssystem

Système de présentation de matériel d'empreinte Vinyl Polysiloxan

Materiale da Impronta in Polivinilossilossano – Sistema introduttivo

Estuche de introducción de material de impresión de vinilpolisiloxano

Kit Introdução de Material de Impressão de Vinyl Polissiloxano

Instructions for Use
Gebrauchsanweisung
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Istruzioni per l'uso
Instrucciones de uso
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Bruksanvisning
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Bruksanvisning

3M ESPE Dental Products

400-4007-4857-B

CE

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ENGLISH

The mixed putty is then placed into the adhesive coated tray. It will have a large dimple-shaped indentation (approximately the size of three teeth) in the putty where the preparation site will be impressed. Fill the indentation with the syringing material.

*Syringe with a strong motion, keeping the tip immersed to avoid trapping air and bubbles and the registration impression. The Express impression system offers the following viscosity materials and setting times:

*7301 Low Viscosity (Light Body) Fast Set hydrophilic syringable material for taking single unit impression in the two-step putty/wash technique.

Oral Syringing <30 Sec. Oral Set Time 3.5 Min.

*7302 Low Viscosity (Light Body) Regular Set hydrophilic syringable material for multi-unit impressions.

Oral Syringing <60 Sec. Oral Set Time 5.0 Min.

*7322 Medium Viscosity (Regular Body) Regular Set hydrophilic syringable material for multiple impressions.

Oral Syringing <90 Sec. Oral Set Time 5.0 Min.

*7312 STD Finner Set Putty for use as a tray material.

Oral Syringing <60 Sec. Oral Set Time 5.0 Min.

*7301 Fast Set <37°C (73°F) = 30 sec. 3.5 min.

7302 Regular Set <37°C (73°F) = 90 sec. 5.0 min.

7322 Regular Set <37°C (73°F) = 90 sec. 5.0 min.

7312 STD Putty <37°C (73°F) = 90 sec. 5.0 min.

*After 15 seconds, initial syringe filling time.

*After 30 seconds putty mixing time.

Total Working Time **Mouth Removal Time**

7301 Fast Set <37°C (73°F) = 30 sec. 3.5 min.

7302 Regular Set <37°C (73°F) = 90 sec. 5.0 min.

7322 Regular Set <37°C (73°F) = 90 sec. 5.0 min.

7312 STD Putty <37°C (73°F) = 90 sec. 5.0 min.

Once oral syringing begins, the tray MUST BE SEATED within 30 seconds for proper impressions.

Regardless of the amount of working time used, once the tray is seated, the tray will require 1.5 minutes set time and the 7302, 7322, and 7312 require a 5.0 minute set time.

The automatic system simultaneously mixes and delivers the Express syringable material directly from the cartridge.

Loading and Operation

Place the Express light body regular set, Express regular body regular set or Express light body fast set impression material into the Garant™ dispenser. Close the cartridge retainer on top of the dispenser.

2. Introduce a small amount of impression material until both the base and catalyst are completely mixed. Note: The time between removing the putty impression from the tray and allowing it to cure is 10 minutes.

3. Fill the tray with Express light body impression material, regular body, and light body fast set, and apply a yellow intraoral tip to the yellow mix tip. **Note:** Use moderate pressure and push a blunt end of the putty impression into the mix tip, click the click heard when the intraoral tip is locked into position.

4. Prepare the tray, isolate and place retraction cord(s).

5. Remove the spacers. Rinse and dry the putty impression. If 2mm space is not available throughout the impression, remove excess putty with a bur or sharp knife until adequate space is achieved. Make sure excess putty is clean and dry.

6. Prepare the tray, isolate and place retraction cord(s).

7. Repeat the steps 2 through 6.

8. Place a plastic spacer over the mixed putty and seal the tray into the mouth. Maneuver the tray in the mouth to create a 2-3mm space to the syringable material. **Note:** The tray must be seated within 30 seconds after the completion of putty mixing. Once sealed, the tray can be left in the mouth until fully set in 5 minutes, then remove. To save time, the tray can be removed prior to complete set and allow the putty to bench set for a minimum of 10 minutes.

9. Introduce a small amount of impression material until both the base and catalyst are completely mixed. Note: The time between removing the putty impression from the tray and allowing it to cure is 10 minutes.

10. Remove the spacers. Rinse and dry the putty impression. If 2mm space is not available throughout the impression, remove excess putty with a bur or sharp knife until adequate space is achieved. Make sure excess putty is clean and dry.

11. Prepare the tray, isolate and place retraction cord(s).

12. Repeat the steps 2 through 6.

13. Impressions should be shipped in packaging designed to prevent distortion and contamination.

Two Step Putty/Wash Technique

Recommended Materials: 7312 Putty and 7301, 7302, or 7322 syringable.

Step 1 Tray Preparation/Primary Putty Impression

1. Select or prepare a rigid tray of sufficient size and wall height to accommodate 2-3mm thickness of impression material surrounding the teeth.

2. Break the thin coat of dry ishesive on the tray and allow to dry (minimum of five minutes).

3. Remove equal volumes of base and catalyst from the jars and mix the two materials with fingertips until a homogeneous color is achieved (approximately 30 seconds). The mixed putty is then placed into the adhesive coated tray.

***Caution:** Certain gels will inhibit the setting of putty when mixed. Test gels to confirm proper setting times. Wear vinyl gloves and use vinyl liners. Then, remove gloves and thoroughly wash and dry hands to remove sources of potential contamination (i.e., glove residues and hand lotions).

4. Place a plastic spacer over the mixed putty and seal the tray into the mouth. Maneuver the tray in the mouth to create a 2-3mm space to the syringable material. **Note:** The tray must be seated within 30 seconds after the completion of putty mixing. Once sealed, the tray can be left in the mouth until fully set in 5 minutes, then remove. To save time, the tray can be removed prior to complete set and allow the putty to bench set for a minimum of 10 minutes.

1. Visually inspect impression for evidence of defects or tears. Thoroughly examine and explore the surfaces of prepared teeth, as well as surrounding dentition for impression material remnants.

2. Immediately rinse the impression under water and blow dry.

3. Immerse the impression in a 2% glutaraldehyde disinfectant (Impress™), or a dual or synergized quaternary disinfectant for the period of time recommended by the manufacturer for optimum results. Remove the impression, rinse in water and dry the impression. This disinfection procedure will not affect the impression performance.

14. The model can be poured two hours after setting. Type 3 and Type 4 dental stone materials may be used. The Express impressions are very stable and can be poured up to two weeks later.

15. Impressions should be shipped in packaging designed to prevent distortion and contamination.

Storage and Use:

1. Shelf life at room temperature for 7312 putty is 24 months. Shelf life at room temperature for 7301, 7302, and 7322 syringable materials and the 7307 tray adhesive is 36 months. See entire catalog for expiry date.

2. The product is designed to be used at temperatures that have been kept at 23°C or 74°F and 20-80% relative humidity. These times are shortened due to higher temperatures of the product or protocol, if the temperature of the product is lower.

3. Express impressions should be stored at dry room temperatures. Do not store in water or excessive humidity.

4. Avoid contaminating the putty or surface contacts with chemicals that could contaminate and inhibit the set (i.e., acrylic and methacrylate resins, latex rubber, and sulphur compounds).

5. Express impressions can be silver-pallated or copper-pallated.

6. Express materials cannot be mixed with or bonded to condensation-type silicones.

7. Disassemble the Garant dispenser and sterilize the dispenser handle and plunger separately at up to 135° C/275° F or with commercial cleaning agents containing no strong organic solvents, such as alcohols. Do not use disinfectants.

Regulatory Specification Data:

*ANSIADA Specification #19

*International Standard ISO 4823

*Maximum Compression Set: <1.0%

*Recovery From Deformation: >99.0%

*Maximum Dimensional Change: 24 Hrs. <0.3%; 336 Hours (2 weeks) <0.3%

*Shrink in Compression: Putty: 1.0-3.0%; Syringable: 2.0-6.0%

*Minimum Working Time: 30 sec. 2 Hours-2 Weeks

*Metalizing Bath: AG, CU

7301 7302 7322 7312

ANSIADA #19 Type 1 Low Viscosity Type 1 Medium Viscosity Type 1 High Viscosity

ISO 4823 Type 3 Light Body Type 2 Light Body Type 2 Regular Body Type 0 Putty

Mixing Time 97°F Total Working Time 67°F Initial Set Time 88°F Settings Time

7301 --- 1.0 min. 3.5 min. n/a

ANSIADA Spec #19 --- 60 sec. n/a 240 sec.

ISO 4823:1992 (E) --- 60 sec. n/a 240 sec.

7302 --- 2.0 min. 5.0 min. n/a

ANSIADA Spec #19 --- 90 sec. n/a 330 sec.

ISO 4823 --- 90 sec. n/a 330 sec.

7312 30 sec. 2.0 min. 5.0 min. n/a

ANSIADA Spec #19 --- 90 sec. n/a 330 sec.

ISO 4823 30 sec. 90 sec. n/a 330 sec.

The mixed putty is then placed into the adhesive coated tray. It will have a large dimple-shaped indentation (approximately the size of three teeth) in the putty where the preparation site will be impressed. Fill the indentation with the syringing material.

*Syringe with a strong motion, keeping the tip immersed to avoid trapping air and bubbles and the registration impression. The Express impression system offers the following viscosity materials and setting times:

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7322 Regular Set <37°C (73°F) = 90 sec. 5.0 min.

7312 STD Putty <37°C (73°F) = 90 sec. 5.0 min.

Once oral syringing begins, the tray MUST BE SEATED within 30 seconds for proper impressions.

Regardless of the amount of working time used, once the tray is seated, the tray will require 1.5 minutes set time and the 7302, 7322, and 7312 require a 5.0 minute set time.

The automatic system simultaneously mixes and delivers the Express syringable material directly from the cartridge.

Loading and Operation

Place the Express light body regular set, Express regular body regular set or Express light body fast set impression material into the Garant™ dispenser. Close the cartridge retainer on top of the dispenser.

2. Introduce a small amount of impression material until both the base and catalyst are completely mixed. Note: The time between removing the putty impression from the tray and allowing it to cure is 10 minutes.

3. Fill the tray with Express light body impression material, regular body, and light body fast set, and apply a yellow intraoral tip to the yellow mix tip. **Note:** Use moderate pressure and push a blunt end of the putty impression into the mix tip, click the click heard when the intraoral tip is locked into position.

4. Prepare the tray, isolate and place retraction cord(s).

5. Remove the spacers. Rinse and dry the putty impression. If 2mm space is not available throughout the impression, remove excess putty with a bur or sharp knife until adequate space is achieved. Make sure excess putty is clean and dry.

6. Prepare the tray, isolate and place retraction cord(s).

7. Repeat the steps 2 through 6.

8. Place a plastic spacer over the mixed putty and seal the tray into the mouth. Maneuver the tray in the mouth to create a 2-3mm space to the syringable material. **Note:** The tray must be seated within 30 seconds after the completion of putty mixing. Once sealed, the tray can be left in the mouth until fully set in 5 minutes, then remove. To save time, the tray can be removed prior to complete set and allow the putty to bench set for a minimum of 10 minutes.

9. Introduce a small amount of impression material until both the base and catalyst are completely mixed. Note: The time between removing the putty impression from the tray and allowing it to cure is 10 minutes.

10. Remove the spacers. Rinse and dry the putty impression. If 2mm space is not available throughout the impression, remove excess putty with a bur or sharp knife until adequate space is achieved. Make sure excess putty is clean and dry.

11. Prepare the tray, isolate and place retraction cord(s).

12. Repeat the steps 2 through 6.

13. Impressions should be shipped in packaging designed to prevent distortion and contamination.

3. Bei intracameraler Anwendung von Express Light Body, Express Regular Body oder Express Light Body, schnell abbindend, eine gelbe Applikationslösung auf die gleiche Weise auftragen. Manuelle Unterabmessung und Handwände auswählen bzw. herstellen, damit alle Zähne mit 2-3 mm Abformmasse umgeben sind.

4. Die Abformung kann 2 Stunden nach dem Abbinden ausgegossen werden. Es kann direkt in Wasser oder in einer Feuchtigkeitskammer eingetaucht werden.

5. Express-Abformungen sollten trocken und bei Raumtemperatur aufbewahrt werden. Nicht in Wasser oder über Feuchtigkeit lagern.

6. Express-Materialien können nicht mit Kondensations-silikonischen Silikonanstrichen beschichtet werden.

7. Dem Garant-Dispenser demontieren und Handgriff und Kolben getrennt bei bis zu 135° C (275° F) sterilisieren oder in einem Reiniger ohne starke organische Lösungsmittel (z. B. mit Alkohol) reinigen. Keine Desinfektionsmittel verwenden.

8. Die Kartusche mit der Abformmasse Express Light Body normal abbindend, die Express Regular Body normal abbindend oder Express Light Body fast set impression material in die Garant-Dispenser einsetzen. Schließen Sie die Kartusche oben an dem Garant-Dispenser ab.

9. Führen Sie eine kleine Menge an Abformmasse aus, bis die Basis- und Katalysatorpaste vollständig gemischt ist. Die Basis- und Katalysatorpaste mit den Fingernägeln vorsichtig mischen, bis eine homogene Farbe erreicht ist (ca. 30 Sekunden). Das angesorgte Putty-Material in ein mit Adhäsiv beschichtetes Abformlöcher einbringen. Eine große, ovale Vertiefung (wie eine Zahnebreite) an der Stelle des Putty-Materials erzeugen, an der die gesamte Bereitstellungszeit ablaufen wird. Die Vertiefung mit der dünn fließenden Abformmasse füllen.

10. Die Abformung kann 2 Stunden nach dem Abbinden ausgegossen werden. Es kann direkt in Wasser oder in einer Feuchtigkeitskammer eingetaucht werden.

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14. Once set, apply downward pressure along the periphery of the tray to release the impression seal and remove the tray.

15. Impressions should be shipped in packaging designed to prevent distortion and contamination.

Regulatory Specification Data:

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*International Standard ISO 4823

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*Recovery From Deformation: >99.0%

*Maximum Dimensional Change: 24 Hrs. <0.3%; 336 Hours (2 weeks) <0.3%

*Shrink in Compression: Putty: 1.0-3.0%; Syringable: 2.0-6.0%

*Minimum Working Time: 30 sec. 2 Hours-2 Weeks

*Metalizing Bath: AG, CU

7301 7302 7322 7312

ANSIADA #19 Type 1 Niedrige Viskosität Type 1 Mittlere Viskosität Type 1 Sehr hohe Viskosität

ISO 4823:1992 (E) --- 60 s n/a 240 s

7302 --- 2.0 min. 5.0 min. n/a

ANSIADA Spec #19 --- 90 s n/a 330 s

ISO 4823 --- 90 s n/a 330 s

7312 30 s 2.0 min. 5.0 min. n/a

ANSIADA Spec #19 --- 90 s n/a 330 s

ISO 4823 30 s 90 s n/a 330 s

Les matériaux d'empreinte Putty/VinylSiloxane Express™, fabriqués par 3M ESPE, sont conçus pour obtenir des empreintes précises de couronnes et de bridges, des profils anatomiques et des arrangements de l'occlusion. Le système d'empreinte Express permet d'obtenir des impressions précises et rapides.

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Loading and Operation

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2. Introduce a small amount of impression material until both the base and catalyst are completely mixed. Note: The time between removing the putty impression from the tray and allowing it to cure is 10 minutes.

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4. Prepare the tray, isolate and place retraction cord(s).

5. Remove the spacers. Rinse and dry the putty impression. If 2mm space is not available throughout the impression, remove excess putty with a bur or sharp knife until adequate space is achieved. Make sure excess putty is clean and dry.

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7301 7302 7322 7312

ANSIADA #19 Type 1 Niedrige Viskosität Type 1 Mittlere Viskosität Type 1 Sehr hohe Viskosität

