INSTRUCTIONS FOR USE
CINCH™ VINYL POLYSILOXANE IMPRESSION MATERIALS

PARKELL PRODUCT INFORMATION
CINCH™ Light VPS
CINCH™ Platinum / CINCH™ Medium VPS
CINCH™ Automix Putty / CINCH™ Heavy VPS
1-800-535-5053 24-HOUR SAFETY LINE
QUICK CINCH™ Light VPS
CINCH™/90 / QUICK CINCH™ Medium VPS
QUICK CINCH™ Heavy VPS

CAUTION: U.S. Federal Law restricts the use of this material to licensed professionals.

STORAGE MATERIAL AT ROOM TEMPERATURE (18° - 24° C/64° - 75° F). AVOID EXCESSIVE HEAT, LIGHT OR MOISTURE

DESCRIPTION AND INDICATIONS
Parkell's CINCH™ DENTAL IMPRESSION MATERIALS consist of original CINCH™ (4 minute set time) and QUICK CINCH™ (60 second set time). CINCH materials are addition-reaction silicones, also known as A-Silicones, polysiloxanes, vinyl polysiloxanes, VPS, vinyl polylithoxanes or VPS. CINCH products are available in light, medium and heavy viscosities. They are hydrophilic, and are capable of producing accurate C&B impressions with excellent tear strength. All CINCH impression materials are available in dual-barrel split cartridges that are dispensing with a high-efficiency, DS-50 (1:1, 2:1) impression gun. Some CINCH products are also available in tubes or high capacity Super-Cartridges, as listed in the chart below. The light-bodied materials are low viscosity crown & bridge waxes that are meant to be used inside their correspondingly timed medium or heavy-bodied-tray materials.

IMPORTANT: For best results, we recommend that:
• CINCH Light should be used with CINCH Medium (CINCH Platinum), or CINCH Heavy (CINCH Automix Putty), each of which sets in 4 minutes, and
• QUICK CINCH Light should be used with QUICK CINCH Medium (CINCH-90) or QUICK CINCH Heavy, each of which sets in 90 seconds.

Since mouth temperature accelerates the working and setting times of QUICK CINCH, make sure to insert the tray material into the mouth within 30-45 seconds of syringing the wash material onto the teeth. This matching of setting times will permit the entire impression to set in the same amount of time. This eliminates the possible error of removing the impression from the mouth too soon, when the outside is set, but the inside is not.

PROPERTIES OF CINCH™ AND QUICK CINCH™ MATERIALS

Each CINCH Impression Material Kit contains the proper mixing tips or tube squeezers for that product. VPS Adhesive (HS446), the DS-50 Mixing Gun (S343), replacement mixing tips and intra-oral tips are available separately from Parkell or many dental dealers.

STORAGE AND GENERAL USE INSTRUCTIONS FOR THE CINCH™ IMPRESSION MATERIALS

1) All CINCH products should be stored between 18°C (64°F) and 24°C (75°F). Exposure to excess heat will shorten shelf life.

2) For best results, use at normal room temperature. To extend work/sit times, the materials may be slightly chilled. However, cold reduces flowability.

3) Avoid contact between CINCH products and all latex or sulfur-containing products, including latex rubber gloves or rubber dams, and hemostatic agents with sulfates (e.g., Aluminum Sulfate, Ferric Subsulfate). If tooth or gum tissue comes in contact with these products, scrub with a 5% hydrogen peroxide solution on gauze, and follow with a copious water rinse before impressioning. Chioride hemostatic agents are acceptable substitutes.

4) Vinyl polysiloxanes like CINCH are not compatible with polysulfides or polyethers.

A0597revA0111
HOW TO USE CINCH IN THE 380ML SUPER-CARTRIDGE

1. With the Super-Cartridge seated on a flat surface and the nozzles aimed up, hold the cartridge with one hand and bend the tab on the cap upward.
2. While holding the cartridge with one hand, remove the cap.
3. Turn the retraction knob on the machine clockwise to completely retract the pistons.
4. Insert the cartridge into the mixer (Pentaxim, Pentaxim II or Mixstar) according to the mixer instructions. While holding the knob to keep the mixer pistons in the most-retracted position, insert the nozzle-end of the cartridge first, then seat the barrels.
5. Turn the retraction knob counterclockwise so the plungers engage the cartridge plugs.
6. BLEED THE CARTRIDGE (Step 6). Affix new tip (Step 7). Lock in place with yellow ring (Step 8).
7. Install a mixing tip: Orient the tip so the large orifice on the tip will be inserted into the large orifice on the cartridge. Take care that the hex recess on the tip is aligned with the mixer’s drive shaft. (Do not substitute mixing tips. A tip not specifically made for this cartridge may appear to fit, yet leak badly when used.)
8. Lock the mixing tip in position by slipping the yellow locking cap over the mixing tip and turning clockwise.
9. Dispense the Cinch material.
10. Immediately after filling the tray, relieve pressure on the plungers by turning the sideknob clockwise to disengage the plungers.
11. Leave the used mixing tip on the cartridge until ready for the next impression.
12. To change tips immediately before next use: Remove yellow ring by turning counterclockwise. Remove mixing tip. Bleded cartridge (Step 6). Affix new tip (Step 7). Lock in place with yellow ring (Step 8).
13. To change cartridges, remove the yellow locking ring from the old cartridge by turning counterclockwise. Turn the machine’s retraction knob as far clockwise as possible to completely disengage the plungers. Remove the cartridge.
4) Acrylic or methacrylate residues from bonding agents and restorative resins can inhibit the setting of CINCH products.
5) The set materials may be disinsected using glutaraldehyde or most other standard dental surface disinfectants products.
6) Allergic reactions may occur in susceptible individuals. Flush affected tissues with copious water and consult a physician.
7) All CINCH products will work with equivalent products from other manufacturers.

SUGGESTED IMPRESSION TECHNIQUES FOR CINCH™ IMPRESSION MATERIALS

SUGGESTED IMPRESSION TECHNIQUES FOR CINCH™ IMPRESSION MATERIALS USING DS-50 IMPRESSION GUNS

1) Insert CINCH wash and tray viscously cartridge or cartridges of the same setting time into two separate impression guns. Twist off and discard the sealing caps. Bleed about 1/2” of material from the orifices, ensuring that it is visible at both holes. Wipe the ends clean, avoiding cross-contamination.
2) Attach a pink-waxed mixing tip to the light-bodied wash material cartridge and lock tight. Affix a white intraoral tip (Stock No. 5439IOT) to the mixer and verify that the hole at the end is round and open.
3) If a putty-like consistency is desired in the tray material, use CINCH Automix Putty and wait 90 seconds before inserting the tray into the mouth. (For normal heavy body properties, either heavy-bodied CINCH can be used without the wait.)
4) Quickly remove the retraction cord, and rinse and dry the tooth.
5) Bleed a small amount of light-bodied material thru the intra-oral tip outside of the mouth, and immediately syringe it into the intraoral tip (Stock No. S439IOT) to the mixer and verify that the hole at the end is round and open.
6) If a putty-like consistency is desired in the tray material, use CINCH Automix Putty and wait 90 seconds before inserting the tray into the mouth. (For normal heavy body properties, either heavy-bodied CINCH can be used without the wait.)
7) Leave the mixing tips on cartridges as sealing caps. Disinfect the cartridges and store them horizontally until the next use.
8) With Parkell’s Quick-Pour formula, CINCH or QUICK CINCH impressions may be poured in any dental stone 15 minutes after removal from the mouth. Properly stored impressions may be poured up to 30 days later.

IMPRESSION PROCEDURE FOR CINCH™ PLATINUM IN TUBES

1) Dispense equal lengths of base and catalyst (1:1) onto a mixing pad. Altering the ratio will impair final set.
2) Mix by hand for 30-45 seconds with clean spatula until color is uniform and streak-free, with no air bubbles.
3) Recap tubes immediately, making sure not to interchange the color-coded caps.
4) Load tray and syringe and proceed to follow standard impression procedure.

PARKELL’S QUALITY SYSTEM IS CERTIFIED TO ISO13485 / ISO9001. MATERIAL SAFETY DATA SHEETS ARE ATTACHED TO THESE INSTRUCTIONS, AND CAN ALSO BE FOUND AT WWW.PARKELL.COM.

WARRANTY
Parkell will replace defective material for a period of one year from the date of manufacture. This warranty is in lieu of all warranties of merchantability, fitness for purpose or other warranties, express or implied. Parkell does not accept liability for any loss or damage, direct, consequential or otherwise, arising out of the use of or the inability to use the product herein described. Before using, the user shall determine the suitability of the product for its intended use and the user assumes all risk and liability whatsoever in connection herewith.

European Authorized Representative (Not a dealer/distributor):
MDi Ltd., Arundel House, 1 Liverpool Gardens Worthing, West Sussex BN1 1SL, United Kingdom

Manufactured in U.S.A. by Parkell, Inc.

TOLL FREE: 1-800-243-7446 • PHONE: 631-249-1134 • FAX: 1-631-249-1242
WEB: www.parkell.com • E-MAIL: info@parkell.com

HOW TO USE CINCH IN THE 380ML SUPER-CARTRIDGE

1. With the Super-Cartridge seated on a flat surface and the nozzles aligned up, hold the cartridge with one hand and bend the tab on the cap upward.
2. While holding the cartridge with one hand, remove the cap.
3. Turn the retraction knob on the machine clockwise to completely retract the pistons.
4. Insert the cartridge into the mixer (Pentamix, Pentamix II or Mixstar) according to the mixer instructions. While holding the knob to keep the mixer pistons in the most-retracted position, insert the nozzle-end of the cartridge first, then seat the barrels.
5. Turn the retraction knob counter-clockwise so the plungers engage the cartridge plugs.
6. Bleed the cartridge before each use according to the mixer instructions to assure that the material is flowing properly.
Note: When cleaning off the expressed impression material, wipe the nozzles vertically (not horizontally) to avoid cross contamination of the nozzles.
7. Install a mixing tip: Orient the tip so the large orifice on the tip will be inserted into the large orifice on the cartridge. Take care that the hex recess on the tip is aligned with the mixer’s drive shaft. (Do not substitute mixing tips. A tip not specifically made for this cartridge may appear to fit, yet leak badly when used.)
8. Lock the mixing tip in position by slipping the yellow locking cap over the mixing tip and turning clockwise.
9. Dispense the CINCH material.
10. Immediately after filling the tray, relieve pressure on the plungers by turning the sideknob clockwise to disengage the plungers.
11. Leave the used mixing tip on the cartridge until ready for the next impression.
12. To change tips immediately before next use: Remove yellow ring by turning counter-clockwise. Remove mixing tip. Bled cartridge (Step 6). Affix new tip (Step 7). Lock in place with yellow ring (Step 8).
13. To change cartridges, remove the yellow locking ring from the old cartridge by turning counter-clockwise. Turn the machine’s retraction knob as far clockwise as possible to completely disengage the plungers. Remove the cartridge.
**SECTION I - PRODUCT IDENTIFICATION**

**PRODUCT NAME:** CINCH™-PLATINUM, CINCH™-90, CINCH™ LIGHT, CINCH™ PUTTY, QUICK CINCH LIGHT & QUICK CINCH HEAVY

**STOCK NO:** S435, VAR.

**DOT HAZARD LABEL:** NA

**UN NUMBER:** NA

**PROPER SHIPPING NAME:** NA

**DATE PREPARED:** 01/10/11

**NFP CODES:** HEALTH - 0, FLAMMABILITY - 0, REACTIVITY - 0

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

**HAZARDOUS COMPONENTS CAS NUMBER:** PEL TLV %

**NO HAZARDOUS INGREDIENTS**

**SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS**

**BOILING POINT:** NA

**SPECIFIC GRAVITY (H2O = 1):** >1.00

**VAPOR PRESSURE:** NA

**EVAPORATION RATE (Butyl Acetate = 1):** NA

**APPEARANCE AND ODOR:** Odorless paste.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** NA

**FLAMMABILITY LIMIT (air, % by vol.):** UPPER: NA LOWER: NA

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, Dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE & EXPLOSION HAZARDS:** None

**SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)**

**STABILITY:** X STABLE UNSTABLE

**CONDITIONS TO AVOID:** Avoid high heat.

**INCOMPATIBILITY (Materials to avoid):** Strong oxidizing agents, strong acids, & strong alkalis.

**HAZARD DECOMP. PRODUCTS:** None

**HAZARDOUS POLYMORIZATION:** MAY OCCUR X WILL NOT OCCUR

**CONDITIONS TO AVOID:** None

**SECTION VI - HEALTH HAZARD DATA**

**PRIMARY ROUTE(S) OF ENTRY:** EYES SKIN INHALATION INGESTION

**HEALTH HAZARDS:** Acute & Chronic: May cause eye irritation upon contact.

**SIGNS & SYMPTOMS OF EXPOSURE:** NA

**CARCINOGENEITY:** No NTP? No IARC MONOGRAPHS? No OSHA?

**EMERGENCY AND FIRST AID PROCEDURES:** None

**INHALATION:** NA EYES: In case of eye contact with uncured materials, flush eyes with water.

**SKIN:** NA INGESTION: NA

**SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES**

**PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** Shelf life prolonged if stored at ambient (72°-74°F) temperature or below.

**OTHER PRECAUTIONS:** None

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wipe up area with absorbent material and dispose in metal container. Be careful because residue is slippery.

**WASTE DISPOSAL METHODS:** Consult federal, state, and local regulations.

**QUICK CINCH™ IMPRESSION MATERIALS**

- **CINCH™ LIGHT VPS**: CINCH™ Platinum / CINCH™ Medium VPS / CINCH™ Heavy VPS
- **CINCH™ VINYL POLYSILOXANE IMPRESSION MATERIALS**: CINCH™ -90 / QUICK CINCH™ Medium VPS / QUICK CINCH™ Heavy VPS

**STORAGE AND GENERAL USE INSTRUCTIONS FOR THE CINCH™ IMPRESSION MATERIAL PRODUCTS**

1. All CINCH products should be stored between 18°C (64°F) and 24°C (75°F). Exposure to excess heat will shorten shelf life.
   **For best results, use at normal room temperature. To extend work/set times, the materials may be slightly chilled. However, cold reduces workability.**

2. **Avoid contact between CINCH products and all latex or sulfur-containing products, including latex rubber gloves or rubber dams, and hemostatic agents with sulfates (eg. Aluminum Sulfate, Ferric Subsulfate). If teeth or gums are contaminated with these products, scrub with a 5% hydrogen peroxide solution on gauze, and follow with a copious water rinse before impressioning. Chloride hemostatic agents are acceptable substitutes.**

3. **Vinyl polysiloxanes like CINCH are not compatible with polysulfides or polyethers.**

**STORAGE MATERIAL AT ROOM TEMPERATURE (15°-24°C / 66°-75°F):** AVOID EXCESSIVE HEAT, LIGHT OR MOISTURE

Each CINCH Impression Material Kit contains the proper mixing tips or tube squeezers for that product. VPS Adhesive (HS446), the DS-50 Mixing Gun (S343), replacement mixing tips and intra-oral tips are available separately from Parkell or many dental dealers.