

INSTRUCTIONS FOR USE
CINCH™ VINYL POLYSILOXANE
IMPRESSION MATERIALS

PARKELL PRODUCT INFORMATION
 (Item Stock Numbers in Chart Below)

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.

STORE 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™** (90 second set time). All **CINCH** materials are addition-reaction silicones, also known as A-Silicones, polyvinyl siloxanes, PVS, vinyl polysiloxanes 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 dispensed using 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 washes 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

Product Viscosity	CINCH™ LIGHT BODY		CINCH™ MEDIUM BODY		CINCH™ HEAVY BODY	
	QUICK CINCH Light	CINCH Light	CINCH 90	CINCH Platinum	QUICK CINCH Heavy	CINCH Automix Putty
Working Time (at room temp)	60 seconds	3 minutes	60 seconds	3 minutes	60 seconds	3 minutes
Setting Time (at mouth temp)	90 seconds	4 minutes	90 seconds	4 minutes	90 seconds	4 minutes
Final Durometer	45 (Shore A)	45 (Shore A)	55 (Shore A)	55 (Shore A) in Cartridge 60 (Shore A) in Tubes	72 (Shore A)	72 (Shore A)
Stock Number for Four (4) Cartridges 50 ml each (200 ml total)	S461S (Mixing Tip is Pink S445)	S460S (Mixing Tip is Pink S445)	S453S (Mixing Tip is Pink S445)	S454S (Mixing Tip is Pink S445)	S463S (Mixing Tip is Teal S496)	S456S (Mixing Tip is Teal S496)
Stock Number for One Super-Cartridge (380 ml total)			S464 (Mixing Tip is S472)			
Stock Number for Two Pairs of Tubes (320 ml total)				S435		
Intra-oral Tip	S439IOT	S439IOT	S439IOT	S439IOT		

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 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 flowability.
- 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 gingiva 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.

- 4) Acrylic or methacrylate residues from bonding agents and restorative resins can inhibit the setting of **CINCH** products. Remove the outer uncured layer of such products before impressing. Avoid making temporaries inside final impressions.
- 5) The set materials may be disinfected using glutaraldehyde or most other standard dental surface disinfectant 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

The **CINCH** and **QUICK CINCH** materials are used together using several suggested methods, including:

- a. Single Step / Dual Body Method (Wet-Wet), where unset medium body or heavy body **CINCH** or **QUICK CINCH** is placed over unset light body **CINCH** or **QUICK CINCH** that has been syringed over the teeth. The materials set simultaneously
- b. Double Step / Dual Body Method (Dry-Wet or Tray-Wash Method), where a prefab or custom tray filled with medium body or heavy body **CINCH** or **QUICK CINCH** is used to make a primary impression on the teeth and allowed to fully set. After the prepping is complete, the initial impression material is relieved, cleaned, dried and a second impression is made in the first one, using the light body **CINCH** or **QUICK CINCH** to accurately reproduce detail.

NOTE: THE PRIMARY (TRAY) IMPRESSION SHOULD NOT BE USED AS A MATRIX FOR A BIS-ACRYL TEMPORARY. THE UNCURED BIS-ACRYL SLICK LAYER WILL CONTAMINATE THE BOND BETWEEN THE IMPRESSION MATERIALS, CAUSING SEPARATION (DELAMINATION) TO OCCUR BETWEEN THEM.

IMPRESSION PROCEDURE FOR CINCH™ IMPRESSION MATERIALS USING DS-50 IMPRESSION GUNS

- 1) Insert **CINCH** wash and tray viscosity cartridges of the same setting time into two separate impression guns. Twist off and discard the sealing caps. Bleed about 1/4" of material from the orifices, ensuring that it is visible at both holes. Wipe the ends clean, avoiding cross-contamination.
- 2) Attach a pink-hubbed mixing tip to the light-bodied wash material cartridge and lock tight one-quarter turn. Affix a white intraoral tip (Stock No. S439IOT) to the mixer and verify that the hole at the end is round and open.
- 3) Attach a pink or teal-colored mixing tip to the medium or heavy-bodied tray material cartridge, lock tight, and load the tray.
- 4) 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.
- 5) Quickly remove the retraction cord, and rinse and dry the tooth.
- 6) Bleed a small amount of light-bodied material thru the intra-oral tip outside of the mouth, and immediately syringe it into the gingival sulcus and over all the desired teeth, keeping the tip immersed in impression material to avoid air entrapment.
- 7) Place the loaded impression tray over the teeth, and remove the set impression with a quick, firm motion. Use the chart above to determine the working and setting times for the **CINCH** or **QUICK CINCH** product you are using.
- 8) Leave mixing tips on cartridges as sealing caps. Disinfect the cartridges and store them horizontally until the next use.
- 9) **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.

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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.



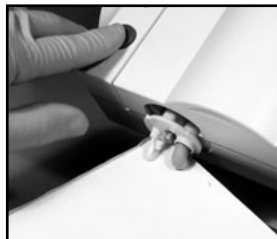
3. Turn the retraction knob on the machine clockwise to completely retract the pistons.



4. Insert the cartridge into the mixer (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.

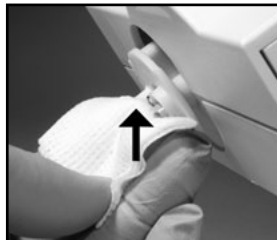


5. Turn the retraction knob counter-clockwise so the plungers engage the cartridge plugs.



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. Bleed 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.

**MATERIAL
SAFETY
DATA SHEET**

**PARKELL, INC.
300 EXECUTIVE DRIVE.
EDGEWOOD, NY 11717
631-249-1134**

**24-HOUR
EMERGENCY
TELEPHONE
1-800-535-5053**

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: 08/16/13
NFPA CODES: HEALTH - 0 FLAMMABILITY - 0 REACTIVITY - 0

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	TLV	%
NO HAZARDOUS INGREDIENTS	NA	NA	NA	

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: NA SPECIFIC GRAVITY (H₂O = 1): >1.00
VAPOR PRESSURE: NA PERCENT VOLATILES: NA
VAPOR DENSITY (Air = 1): NA EVAPORATION RATE (Butyl Acetate = 1): NA
APPEARANCE AND ODOR: Odorless paste.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TCC): NA FLAMMABLE LIMIT (air, % by vol.) UPPER: NA LOWER: NA
EXTINGUISHER MEDIA: Water, Carbon Dioxide, Dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA (PHYSICAL HAZARDS)

STABILITY: STABLE UNSTABLE
CONDITIONS TO AVOID: Avoid high heat.
INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents, strong acids, & strong alkalis.
HAZARD. DECOMP. PRODUCTS: None
HAZARDOUS POLYMERIZATION: MAY OCCUR 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
CARCINOGENECITY: No NTP? No IARC MONOGRAPHS? No OSHA?
EMERGENCY AND FIRST AID PROCEDURES:
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): Individual containers: dispose of as ordinary waste in accordance with local regulations. Case quantities: mix catalyst and base parts together, once they are fully cured you can dispose of in a sanitary landfill in accordance with local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION: None required. VENTILATION: None required.
PROTECTIVE GLOVES: None required. EYE PROTECTION: None required.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required.
WORK/HYGIENIC PRACTICES: Wash hands before eating, drinking or smoking.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.