



## PLURAL COMPONENTS PRODUCT GUIDE

# TECHKIT

The Techkit is a compact and simple method of packaging two or three component resin systems into a cartridge. The kit mechanically separates the base and hardener until they are ready to be used. An internal mixing head provides a thorough blend for all types of compounds. When the mixing is finished, the cartridge is placed into one of Techcon's application guns or production master stand to be dispensed.

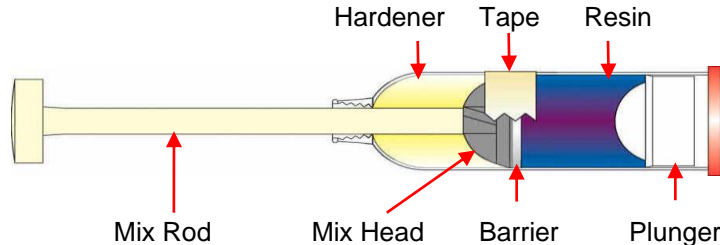
Using Techkit will eliminate the labor intensive tasks of measuring and handling materials, while minimizing dermatitis complications and greatly reducing exposure to fumes.

Techkits can accommodate virtually every ratio of multiple component material.

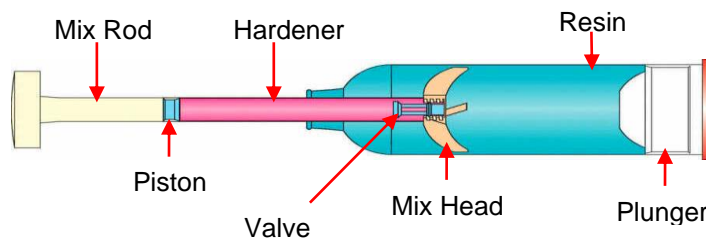
Three types of kits are available: Barrier, Injection and Barriers/Injection types.

Operators can mix the kit manually, semi-automatically, or automatically. Techcon mixer, model TS6000, is a useful, semi-automatic mixer designed to reduce worker fatigue and assure a thorough mix of the material. The TS6500 mixer is a fully automated mixing system. It eliminates worker fatigue and assures the most thorough and consistent mix from kit to kit.

**BARRIER KIT:** For compound with a volumetric ratio greater than 10 parts per 100. The hardener and resin are separated by an aluminum barrier, which forms over the mixing head.



**INJECTION KIT:** For compound with a volumetric ratio of 10 parts or less per 100. The hardener is contained inside the valve mix rod while the resin is in the cartridge.



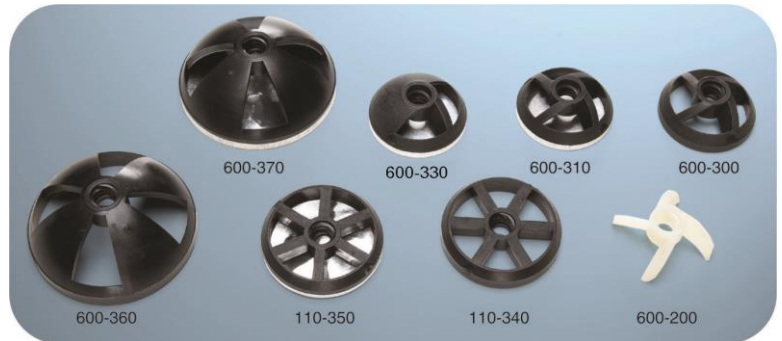
Maximum fluid capacity inside 6" rod = 9cc  
Maximum fluid capacity inside 8" rod = 12cc

# COMPLETE TECHKIT PART NUMBER CHART

Part Number	Size	Type	Cartridge	Plunger	Cap	Dasher	Head Rod	Ram Rod
250-60	2.5oz (60ml)	Injection	TS25C	TS1WP	TS2C	600-200	610-100A	600-080
250-61	2.5oz (60ml)	Barrier	TS25C	TS1WP	TS2C	600-310	600-100	
250-61T	2.5oz (60ml)	Taped Barrier	TS25C	TS1WP	TS2C	600-310	600-100	
250-80	2.5oz (60ml)	Injection	TS25C	TS1WP	TS2C	600-200	810-100A	600-080
250-81	2.5oz (60ml)	Barrier	TS25C	TS1WP	TS2C	600-310	800-100	
250-81T	2.5oz (60ml)	Taped Barrier	TS25C	TS1WP	TS2C	600-310	800-100	
600-60	6oz (160ml)	Injection	TS60C	TS1WP	TS2C	600-200	610-100A	600-080
600-61	6oz (160ml)	Barrier	TS60C	TS1WP	TS2C	600-310	600-100	
600-61-330	6oz (160ml)	Barrier	TS60C	TS1WP	TS2C	600-330	600-100	
600-61T	6oz (160ml)	Taped Barrier	TS60C	TS1WP	TS2C	600-310	610-100A	
600-80	6oz (160ml)	Injection	TS60C	TS1WP	TS2C	600-200	810-100A	600-080
600-81	6oz (160ml)	Barrier	TS60C	TS1WP	TS2C	600-310	800-100	
600-81T	6oz (160ml)	Taped Barrier	TS60C	TS1WP	TS2C	600-310	800-100	
800-80	8oz (220ml)	Injection	TS80C	TS1WP	TS2C	600-200	810-100A	600-080
800-81	8oz (220ml)	Barrier	TS80C	TS1WP	TS2C	600-310	800-100	
800-81-330	8oz (220ml)	Barrier	TS80C	TS1WP	TS2C	600-330	800-100	
800-81T	8oz (220ml)	Taped Barrier	TS80C	TS1WP	TS2C	600-310	800-100	
110-80	1/10 <sup>th</sup> Gal (310ml)	Injection	TC110C	TS2PW	TS4C	110-340	810-100A	600-080
100-81	1/10 <sup>th</sup> Gal (310ml)	Barrier	TC110C	TS2PW	TS4C	110-350	800-100	
110-81T	1/10 <sup>th</sup> Gal (310ml)	Taped Barrier	TC110C	TS2PW	TS4C	110-350	800-100	
200-81	20oz (550ml)	Injection	TS20C	TS20P	TS6C	600-360	810-100A	600-080
200-81	20oz (550ml)	Barrier	TS20C	TS20P	TS6C	600-370	800-100	

## TECHKIT COMPONENTS MIXING HEADS (DASHERS)

Part Number	Description
600-200	Open Mix Head
600-300	Wheel Mix Head
600-310	Foiled Wheel Mix Head
600-320	Half Closed Circle Mix Head
600-330	Foiled Half Closed Circle Mix Head
110-340	1/10 <sup>th</sup> Gallon Mix Head
110-350	1/10 <sup>th</sup> Gallon Foiled Mix Head
600-360	20oz Wheel Mix Head
600-370	20oz Foiled Wheel Mix Head



## RODS

Part Number	Description
600-080	8" Ram Rod
600-100	6" Plugged Rod
610-100A	6" Valved Rod with Piston
800-100	8" Plugged Rod
810-100A	8" Valved Rod with Piston



# TS6500 SERIES CARTRIDGE MIXER

## Advanced, Robust, User Friendly and Productivity-focused

The TS6500 Series cartridge mixer provides complete automatic mixing of two-component material filled in a cartridge kit. The feature rich TS6500 Series accommodates all standard size cartridge kits ranging from 2.5oz (60ml) to 20oz (550ml) and is immediately usable anywhere in the world with its accompanying tools, accessories and universal power supply.

Equipped with an automatic fluid level sensing device and user friendly electronic control system, the TS6500 Series mixer allows for a quick and simple setup process. The automatic injection feature provides even distribution of the hardener into the resin during the mixing cycle to ensure uniform mixed results. The high torque motor maintains speed to allow for the continuous mixing of high viscosity material. Safety features include a two-hand start, emergency stop button and the required closing of the protective enclosure to ensure maximum protection for operators.



### KEY FEATURES

- Universal power supply for worldwide use
- Automatic fluid level sensing device for all kit sizes– No need to set stroke length
- Automatically injects hardener into resin to provide uniform mixed material
- Robust, high torque motor to handle high viscosity material
- Safety features include safety enclosure, emergency stop button and two-hand start
- Manual and automatic mixing cycle settings with 10 programmable memories
- Quick and easy to replace cartridge holder and plunger
- User friendly firmware for easy setup
- Robust and sturdy platform for heavy industrial used
- RoHS, WEEE compliance

### SPECIFICATIONS

Dimensions Imperial:	15.7" W x 21.2" D x 40.6" H
Dimensions Metric:	398mm x 538mm x 1032mm
Weight:	80 lb (36kg)
Input Voltage:	100-230VAC, 50-60 Hz, 2Amp
Motor Speed:	139 RPM
Air Inlet:	80 psi (5.5 Bar) Min.
Stroke Speed:	33 Strokes/minute (fully extend)
Meets or exceeds:	CE, cTUV-us
Warranty:	1 year

Part Number	Description
TS6500CIM-6	Cartridge Mixer for 2.5oz (60ml), 6oz (160ml), 8oz (220ml) kit
TS6500CIM-20	Cartridge Mixer for 20oz (550ml) kit
CK6500-6	Conversion Kit for 2.5oz (60ml), 6oz (160ml), 8oz (220ml) kit
CK6500-10	Conversion Kit for 1/10 <sup>th</sup> Gallon (310ml) kit
CK6500-20	Conversion Kit for 20oz (550ml) kit

# SEALANT SMOOTHING AND REMOVAL TOOLS

Techcon Systems plastic sealant tools are ideal for spreading, smoothing and removing sealants or adhesives. Approved for use in aerospace industry, these tools are designed to prevent damage to delicate substrates. Spatula made from Nylon. Smoothing tool made from Celcon.

Part Number	Description
1275-000-001	Large Spatula
1275-000-002	Medium Spatula
1275-000-003	Small Spatula
TS1275-KP	Spatula Kit
TS1275-4	Celcon® Smoothing Tool



## NOZZLES

Part Number	Description
TS216	2.5" x 1/16" (63.5mm x 1.59mm) Orifice, HDPE
TS218	2.5" x 1/8" (63.5mm x 3.18mm) Orifice, HDPE
TS416-HO-HD	4" x 1/16" (101.6mm x 1.59mm) Orifice, HDPE
TS416-HO-LD	4" x 1/16" (101.6mm x 1.59mm) Orifice, LDPE
TS418-HO-LD	4" x 1/8" (101.6mm x 3.18mm) Orifice, HDPE
TS432-HO-HD	4" x 1/32" (101.6mm x 0.79mm) Orifice, HDPE
TS432-HO-LD	4" x 1/32" (101.6mm x 0.79mm) Orifice, LDPE
TS490-HO-LD	4" x 3/32" (101.6mm x 2.38mm) Orifice, HDPE
TS616-HO-LD	6" x 1/16" (152.4mm x 1.59mm) Orifice, HDPE
TS618-HO-LD	6" x 1/8" (152.4mm x 3.18mm) Orifice, HDPE



LDPE = Low Density Polyethylene    HDPE = High Density Polyethylene  
HO = High Output

Add -PK for 50 pieces per pack or -1000 for 1000 pieces per pack.

## CONTACT INFORMATION

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