

# Competitive Analysis

## MIXPAC™ Two-Component Systems



medmix Switzerland AG (MIXPAC) is recognized as a leading global supplier and expert in manufacturing high-precision application systems in the dental industry.

MIXPAC is continually striving to provide its customers with uncompromising quality and excellent service with a focus on performance and usability.

The marketing claims used by the following Competitive System were compared to the MIXPAC T-Mixer™ for Two-Component Systems with volumes between 18 to 75 mL.



Competitive System



MIXPAC System

### 1. SUSTAINABILITY:

MIXPAC is strongly committed towards providing sustainable solutions (e.g. production environment).

The following Competitive System uses more plastic which will result in more plastic discarded in a landfill.

### LESS PLASTIC WASTE

Competitive System		MIXPAC System	
mixing tip <b>Red</b> + Intra Oral Tip (IOT) <b>3.4 g</b>	Intra Oral Tip (IOT) <b>4.2 g</b>	T-Mixer™ mixing tip (MBT 4.2-12-D) + Intra Oral Tip (IOT) <b>1.2 g</b>	Intra Oral Tip (IOT) <b>2.0 g</b>
			
Cap	Mixing tip	Cap	Mixing tip
<b>58%*</b> less plastic waste			
mixing tip <b>Blue</b> <b>3.4 g</b>	Intra Oral Tip (IOT) <b>4.9 g</b>	T-Mixer mixing tip (MBT 6.5-11-D) <b>1.3 g</b>	Intra Oral Tip (IOT) <b>2.8 g</b>
			
Cap	Mixing tip	Cap	Mixing tip
<b>51%*</b> less plastic waste			



## 2. T-MIXER™ SAVES MORE:

The Competitive System mixing tips waste\* more material compared to MIXPAC™ T-Mixer for 50 mL System.

= 33 % less dental material waste for the MIXPAC-T-Mixer mixing tip compared to Competitive System mixing tip Red.

= 6 % less dental material waste volume for the MIXPAC T-Mixer mixing tip compared to Competitive System mixing tip Blue.

	Competitive System mixing tip <b>Red</b>	MIXPAC System T-Mixer mixing tip (MBT 4.2-12-D)	33% less material waste
Dental material waste volume**	0.9 mL	0.6 mL	

  

	Competitive System mixing tip <b>Blue</b>	MIXPAC System T-Mixer mixing tip (MBT 6.5-11-D)	6% less material waste
Dental material waste volume***	1.8 mL	1.7 mL	

## 3. NUMBER OF APPLICATIONS:

An internal application test performed using light body impression material\* shows that, compared to Red Competitive System mixing tip, MIXPAC T-Mixer mixing tip provides **up to 12 more applications for average types of applications** (e.g. single anterior crown) and **6 more applications for high volume applications** (e.g. 3-unit bridge).

Volume Range	Application Volume (mL)	Amount of Applications per Cartridge ****	
		Competitive 50 mL System mixing tip <b>Red</b> + Intra Oral Tip (IOT)	MIXPAC 50 mL System T-Mixer mixing tip (MBT 4.2-12-D) + Intra Oral Tip (IOT)
Average (crown #12)	0.4	38	50
High (3-units bridge #14-16)	0.8	29	35



### MIXPAC System Solutions

All components are meticulously matched, fully interchangeable and compatible with each other to ensure a precise, safe and efficient workflow.

Footnote:

- All values published were rounded to one decimal place
- All tests were done internally and verified with an independent third party (where applicable)
- \* ((CapA + Mixing TipA) - (CapB + Mixing TipB)) / ((CapA + Mixing TipA) = saved plastic % by using medmix system vs competitor
- \*\* valid for - wash materials (Type 3: light-bodied consistency (ISO 4823:2021)
- \*\*\* valid for - tray materials (Type 1: heavy-bodied consistency (ISO 4823:2021)
- \*\*\*\* Number of applications per cartridge = total cartridge volume / (mixer waste + application volume)

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