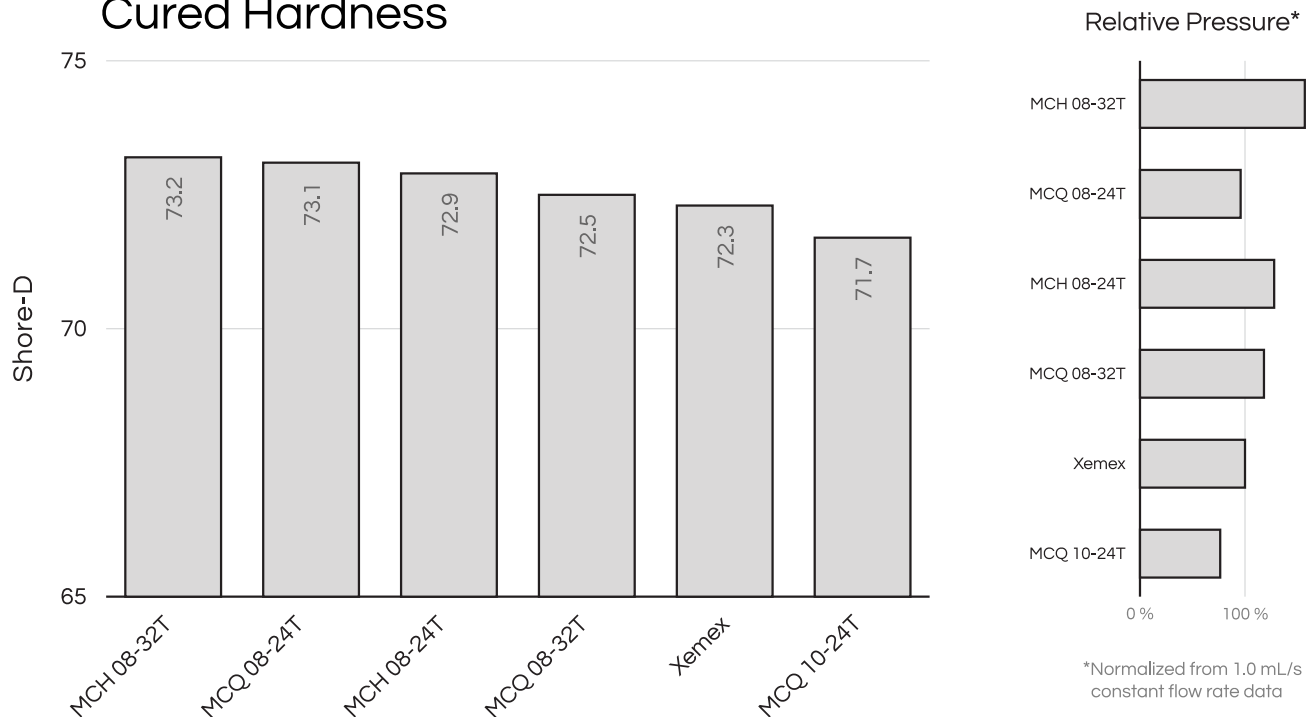




**Purpose** To compare the mixing performance of the Xemex® Static Mixer with commercially available mixers.

**Experimental** The 2-part formulation was dispensed using Re Mixer’s automated cartridge dispenser, having preset flow rate and purge routines. After curing at room temperature for 60 hours, hardness was determined through a single-blind collection using Rex Gauge’s RX-DD Series Durometer, and in accordance with ASTM D2240.

## ITW Plexus® MA530-White Cured Hardness



**Mixing Performance** The hardness data suggests that Xemex yielded similar mixing performance for ITW Plexus® MA530 (White Activator). With a retained volume of only 2.5 mL, Xemex matched mixers with 24 and 32 elements, which have retained volumes in the order of 5 to 10 mL. These results suggest that Xemex is a candidate to replace both helical and square mixers in applications using MA530.

**Back Pressure** From this data, one should expect back pressures with Xemex to be comparable to MCQ 08-24T but lower than MCH 08-24T and MCH 08-32T at equivalent flow rates.

Formulation	Type	Mix Ratio**	Mixed** (cP)	Part A**	Part B**	Working Time** (min)	Keywords
ITW Plexus® MA530	Methacrylate	1:1	—	130,000 to 180,000	80,000 to 140,000	30 to 40	—
Laboratory Technician		Cured Time		Laboratory		Report Prepared by	
Lukas Duddleston, MS		60 hours		23±2 °C   35±5 % RH		Lukas Duddleston, MS	

\*\*As reported in ITW’s Technical Data Sheet

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