

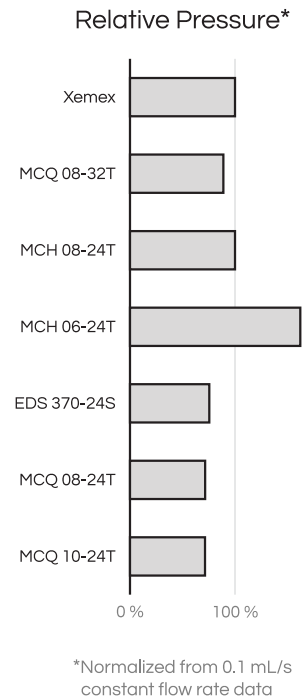
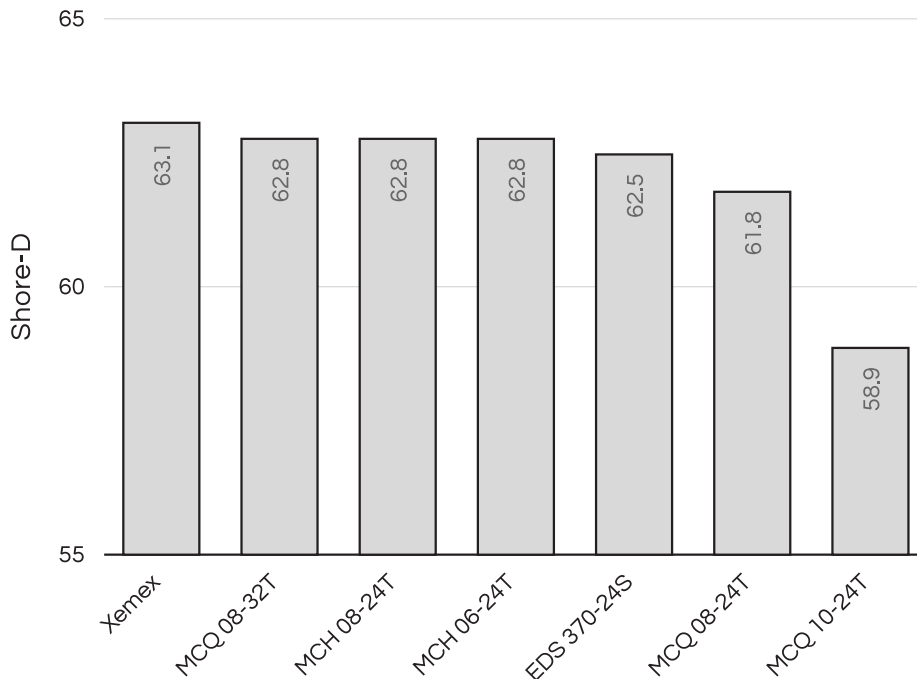


Purpose To compare the mixing performance of the Xemex® Static Mixer with commercially available mixers.

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 72 hours, hardness was determined through a single-blind collection using Rex Gauge’s RX-DD Series Durometer, and in accordance with ASTM D2240.

ResinLab® EP1290-Gray

Cured Hardness



Mixing Performance The hardness data suggests that Xemex yielded the best mixing performance for ResinLab® EP1290 Gray adhesive. With a retained volume of only 2.5 mL, Xemex outperformed 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 strong candidate to replace both helical and square mixers in applications using EP1290.

Back Pressure From this data, one should expect back pressures with Xemex to be comparable to MCQ 08-32T or MCH 08-24T and lower than MCH 06-24T at equivalent flow rates.

Formulation	Type	Mix Ratio**	Mixed** (cP)	Part A**	Part B**	Pot Life** (min)	Keywords
ResinLab® EP1290-Gray	Epoxy	1:1	70,000	115,000	45,000	73	—
Laboratory Technician		Cured Time		Laboratory		Report Prepared by	
Lukas Duddleston, MS		72 hours		23±2 °C 35±5 % RH		Lukas Duddleston, MS	

**As reported in ResinLab’s Technical Data Sheet

THE DATA AND INFORMATION CONTAINED ON THIS REPORT IS FOR INFORMATIONAL PURPOSES ONLY. RE MIXERS, INC. HEREBY DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES REGARDING THE PRODUCTS, TEST RESULTS, DATA, AND INFORMATION CONTAINED IN THIS REPORT (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR INFRINGEMENT), WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, OR OTHERWISE. In addition, while the data and information contained herein is believed to be reliable, all such data and information is provided “as-is”, “with all faults”, and no warranty is expressed or implied regarding the reliability, accuracy or completeness of the data, or the results to be obtained from the use thereof. All recommendations or suggestions for use are made without guarantee and it is the user’s sole liability and responsibility to test and determine any listed product’s suitability for their own purpose and application. ResinLab® is a registered trademark of Ellsworth Adhesives. Re Mixers, Inc. is not sponsored by Ellsworth Adhesives. Any use of ResinLab®, or other third party trademarks are for informational and/or comparative fair use purposes only.