

CAB-O-SIL® FUMED METAL OXIDES AND CAB-O-SPERSE® DISPERSIONS FOR ADHESIVES AND SEALANTS

Material category	Lead application	CAB-O-SIL fumed silicas	Treatment agent	Selection guidelines
HYDROPHOBIC FUMED SILICA	Structural and elastic ♦ Epoxy ♦ Urethane/Hybrid ♦ Acrylic ♦ Vinylester	ULTRABOND™ 5780	PDMS	Delivers highest sag resistance and formulation stability; enables superior adhesion to oily substrates and excellent wash off resistance for automotive applications
		ULTRABOND		Delivers exceptional sag resistance and formulation stability
		TS-720	DDS	Delivers good sag resistance and anti-settling performance in polar resin systems
		TS-610		Delivers rheology control in low to medium polarity resin systems
		TS-530		HMDZ
HYDROPHILIC FUMED SILICA	Plastisol and Elastomer-based	EH-5	None	Enables excellent rheology control and reinforcement in low polarity systems
		M-5		Enables good rheology control and reinforcement in low polarity systems
Material category	Lead application	CAB-O-SPERSE® silica dispersions	Treatment agent	Selection guidelines
SILICA DISPERSIONS	Waterborne PSA	1030K, 2017A, 2020K, 4012K	Alkaline	Provides excellent means to increase cohesive strength; match dispersion and formulation pH to maximize dispersability and formulation stability
		1015A, 2012A	Neutral	
		PG022	Acidic	

PDMS: Polydimethylsiloxane HMDZ: Hexamethyldisilazane DDS: Dimethyldichlorosilane

