



406 Colloidal Silica Filler Technical Data Sheet

Technical Data Sheet




406 Filler

General Description

406 Colloidal Silica is a thickening additive used to control the viscosity of the epoxy and prevent epoxy runoff in vertical and overhead joints. 406 is a very strong filler that creates a smooth mixture, ideal for general bonding and filleting. It is also our most versatile filler. Often used in combination with other fillers, it can be used to improve the strength, abrasion resistance, and consistency of fairing compounds, resulting in a tougher, smoother surface. Cures to an off-white color.



Mixed Epoxy Required for Consistency*

Filler		Catsup Consistency	Mayonnaise Consistency	Peanut Butter Consistency
				
Size	Weight			
406-2	1.7 oz	1.3 qt	0.9 qt	0.5 qt
406-7	5.5 oz	1.1 gal	3.0 qt	1.7 qt
406-B	10.0 lb	27.0 gal	16.0 gal	6.0 gal

Adhesive Filler Selection Guide

Filler	Bonding Hardware	General Bonding	Bonding with Fillets	Laminating
403 Microfibers	★★★	★★★	★★	★★★★
404 High-Density	★★★★	★★★	★★	★★
405 Filleting Blend	★★	★★	★★★	★★
406 Colloidal Silica	★★★	★★★	★★★★	★★★

Filler suitability for various uses ★★★★★ = excellent, ★★★ = very good, ★★ = good, ★ = fair, (no stars) = not recommended.

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*Although Fillers can be used with any WEST SYSTEM Epoxy, all properties based on use with the 105 system