

QUANTUM^{FC} FAIRING COMPOUND



INTRODUCTION

QUANTUM^{FC} Base and Activator are 100% solids systems and may be used above or below the waterline. When cured, this system features excellent sanding and finish characteristics and accepts the full line up of Quantum Epoxy Primers. The white base and dark blue activator, when mixed together at the convenient 1:1 volumetric mix ratio, yield a smooth, creamy paste which can be easily applied up to 1" thick without sagging or shrinking during the curing process. Activators available in conventional and cold cure to cover a variety of application conditions. This product is an integral part of EMC's QUANTUM High Solids Repairable Marine Finish System. NOTE: This product is intended to be used as supplied. Do not thicken or thin this product as altering the formulation may lower physical properties.

USES

QUANTUM^{FC} is a convenient trowel-able filler developed for fairing large surface imperfections on aluminum, steel, fiberglass, or wooden marine vessels.



PHYSICAL PROPERTIES

	60-AFC-8000	60-AFC-5500
APPEARANCE (ADMIXED)	LIGHT BLUE PASTE	SAME
MIX RATION	1:1 BY VOLUME	SAME
VOLUME SOLIDS (ADMIXED)	100%	SAME
ADMIXED DENSITY (LBS/GAL)	7.6	7.1
DRY TO SAND (22C/77F)	6-8 HRS	4-6 HRS
DRY TO SAND (25C/55F)	N/A	16.5 HRS
FULL CURE (35C/95F)	72-120 HRS	SAME
FUL CURE (25C/77F)	120-168 HRS	SAME
FULL CURE (13C/55F)	10-12 DAYS	SAME
MAX APPLIED THICKNESS	1 INCH	SAME
COVERAGE (1 MIXED GAL) @ 0.25"	6.4 FT ²	SAME
COVERAGE (1 MIXED GAL) @ 1.0"	1.6 FT ²	SAME
POT LIFE	48 MIN @ 77F	27 MIN @ 77F
SHELF LIFE	2 YEARS FROM DOM	SAME



MIXING



COMPONENTS

60-FC-1000	Quantum ^{FC} White Base
60-AFC-8000	Quantum ^{FC} Dark Blue Activator
60-AFC-5500	Quantum ^{FC} Cold Cure Activator

MIX RATIO



	PARTS	EXAMPLE
60-FC-1000	1	8 oz.
60-AFC-####	1	8 oz.

MIXING

Blend equal parts base and activator until uniform color is achieved.

NOTE: A thorough mix is evident only when a positive color change appears between the resin and hardener and is homogenous throughout. It is imperative that the Quantum^{FC} is applied to the prepared surface immediately upon achieving a proper mix. Quantum^{FC} Fairing Compound must not be applied beyond the recommended pot life.

APPLICATION



SURFACE PREPARATION

Only apply over properly applied and prepped Quantum⁴⁵ Primers.

APPLICATION

Apply Quantum^{FC} with clean trowel. Working time and pot life varies with temperature. Build out with thin coats in low areas. Allow to cure and sand with 60-80 grit sandpaper to desired smoothness.

