

A.W.F. E.M CERAMIC METAL F.G.

A.W.F. E.M. Ceramic Metal F.G. is a high performance fluid grade engineering resurfacing compound designed for use in fluid flow environments. E.M. Ceramic Metal F.G. offers outstanding protection against impingement and erosion/corrosion conditions.



All dust and loose material should be scraped away. Oil and grease should be removed with AWF Universal Cleaner. Surfaces should then be abrasive blast cleaned to a minimum Sa2½ BS 7079 Part 1 1989 or equivalent with a blast profile of 75 microns corresponding to medium in BS 7079 Part C3/ISO 8503/1. All loose abrasive dust and debris must be blown clear or vacuum cleaned away. Any equipment that has become salt impregnated due to service conditions should be first wet blasted then dry abrasive blasted and checked for presence of salts. This process should be repeated until all salts are removed.



AWF E.M.Ceramic Metal F.G. is a two part material consisting of a Base & Activator resin which must be mixed together prior to use. Measure three volumes of the Base resin and 1 volume of the activator resin into a clean container. The two resins should be thoroughly mixed together to produce a streak free material. The mixed material should be used within 25 mins of mixing at 20°C. This time will be reduced at higher temperatures and extended at lower temperatures.

Mixing Ratio:	Base	Activator
	3	1 by volume
	8	1 by weight



Drying, Curing times at 20°C

Initial set:	3 hours
Machining:	6 hours
Full mechanical:	5 days

APPLICATION DETAILS

Application should not be carried out at temperatures below 5°C or when the relative humidity exceeds 85% or when the surface to be coated is less than 3°C above the dew point. The mixed material should be applied by brush or squeegee, application should be carried out as soon as possible after surface preparation is complete, and certainly the same day otherwise flash blasting will be necessary before application. Machining of E.M.Ceramic Metal F.G. will cause excessive tool wear so care should be taken to finish the repair to the required size or dimension. All equipment must be cleaned immediately after use with AWF Universal Cleaner.



Once you have mixed the Base and Activator together you have approximately 25 mins to use the mixed material.



Use within 5 year of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.



Theoretical Coverage Rate

1.6m²/kilo at 250 microns dft il(17ft² per kg at 10mils)

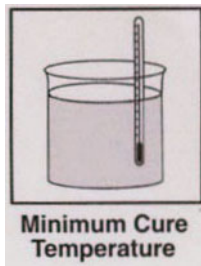
Recommended film thickness

Wet: 250 microns (10mils)

Dry: 250 microns (10mils)

Physical Constants

Appearance: Base – Coloured paste
Activator – Amber Liquid
Volume solids – 100%



This product should not be used if the temperature or the surface to be coated falls below 5°C



As long as good practice is observed, AWF E.M.Ceramic Metal F.G. can be safely used. Protective gloves should be worn during use.

A fully detailed Material Safety Data Sheet is available on request.

If you have any questions or queries regarding this data sheet or the application of this product, please contact us before you use the product.