

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

A.W.F. E.M. Ceramic Metal E.G. is a high performance multi purpose metal repair compound specifically developed for rebuilding metal components in a fluid flow environment damaged by erosion and corrosion. E.M.Ceramic Metal E.G. can be applied to any damaged component in one easy application and is ideal for rebuilding pump bodies, impellers, propellers, guide vanes, valves, tube sheets, water boxes, rudders, heat exchangers etc.



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 should, after blasting, be left overnight to allow salts to sweat from the metal. On sections of repairs which are not required to bond to the E.M. Ceramic Metal E.G. these surfaces should be treated with AWF Release Agent.



AWF E.M. Ceramic Metal E.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 one volume of the activator resin onto a clean mixing surface. The two resins should be thoroughly mixed together until completely streak free.

<b><u>Mixing Ratio:</u></b>	<u>Base</u>	<u>Activator</u>
	3	1 by volume
	5	1 by weight



Drying, Curing times at 20°C

Initial set:	1 hour
Machining:	2 hours
Full mechanical:	5 days



Once you have mixed the Base and the Activator together, you have approximately 25 minutes to use the mixed material

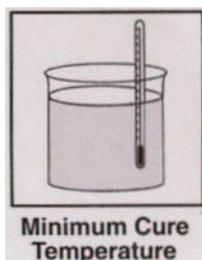
## APPLICATION DETAILS

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 pressed firmly onto the prepared area and care should be taken to avoid air entrapment on deeply pitted surfaces. 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. Where necessary re-inforcement tape should be stippled into the mixed product and further material applied over the tape. Machining of AWF Ceramic Metal E.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 with AWF Universal Cleaner.

<u>Appearance:</u>	Base:	Grey paste
	Activator:	Light grey paste
<u>Volume Solids:</u>		100%
<u>V.O.C.:</u>		Nil



N/A



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



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



As long as good practice is observed, AWF E.M. Ceramic Metal E.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.