

A.W.F. E.M. RAPID 10

AWF E.M. Rapid 10 is a high performance rapid curing metal engineering grade repair compound specifically developed for rapid turn round of metal repairs where excellent mechanical strength and easy machining properties are required.

E.M. Rapid 10 can be applied to any damaged metal component as well as glass, fibreglass and composites and is ideal for rapid repairs to pipes, tanks, radiators, threads, sumps, casings and ducting.



Heavy contamination due to oil or grease must first be removed using AWF Universal Cleaner. All loose material, rust and surface contaminants including existing coatings must be removed and the surface roughened by using an angle grinder, needle gun or abrasive blasting. Where grinding or needle gunning is used, the surface should be cross-scored to improve adhesion. Care must be taken when angle grinding, to avoid polishing rather than roughening metal surfaces. Where possible, abrasive blasting is the preferred surface preparation, especially in fluid flow repairs. Surfaces should finally be degreased using AWF Universal Cleaner. Parts (for example, threads or bearing surfaces) which must remain in position during application but must not adhere to E.M. Rapid 10 must be coated with AWF Release Agent.



AWF E.M. Rapid 10 is a two part material consisting of a Base & Activator resin which must be mixed together prior to use. Mix 1 part Base to 1 part activator onto a clean board or other suitable surface. The two resins should then be mixed thoroughly together to produce a completely streak free material. The mixed material should be used within 3 minutes of mixing at 20°C. This time will be reduced at higher temperatures and extended at lower temperatures.

<u>Mixing Ratio:</u>	Base	Activator	
	1	1	by volume
	4	3	by weight



Drying, Curing times at 20°C

Initial set:	10 mins
Machining:	30 mins
Full mechanical:	2 hours

APPLICATION DETAILS

Prepared surfaces should be clean and dry. The mixed material should be pressed firmly onto the prepared area working the material into any cracks and surface defects.

When re-inforcing tape is being used to strengthen the repairs, the tape should either be impregnated with E.M. Rapid 10 or the tape should be laid over the E.M. Rapid 10 surface and stippled into the material before it cures, then additional E.M. Rapid 10 applied over the surface.

Once the E.M. Rapid 10 has reached 'initial set' the material can be separated from the surface treated with AWF Release Agent. When E.M. Rapid 10 is being used to repair leaking pipes, the flow through the pipe should be turned off until the repair is finished. Any leaking liquid must be wiped off the surface to ensure the surface is completely clean and dry before application commences. All equipment must be cleaned immediately after use with AWF Universal Cleaner.

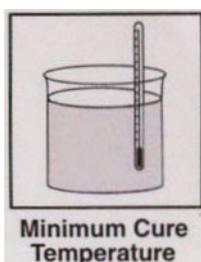
<u>Appearance</u>	Base:	Black Paste
	Activator:	White Paste

<u>Volume Solids</u>	100%
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<u>V.O.C.</u>	Nil
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Once you have mixed the Base and Activator together, you have approximately 3 minutes to use the mixed material.



5°C



Use within 12 months 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. Rapid 10 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.