

## Armor Plate – Steel Super Fast K-094

Description:	A two-component , VOC free , polyurea system. This high quality thermoset is designed for the emergency metal repair of leaking pipes, tanks, stripped threads, bearing seats.	
Ordering Information:	K-094 1LB Kit	
Product Advantages:	Armor Plate-Steel Super Fast is an easy to mix trowelable putty. Bonds to ferrous and non-ferrous metal surfaces Resistant to many common chemicals including acids, bases and alkalis Applies easily to vertical surfaces Machinable to metallic finish	
Application Guidelines:	<b>Maximum Service Temp 200°F</b> <b>Working Time 3 Minutes</b> <b>Functional Cure 1 Hour</b> <b>Mix Ratio 1:1 by Volume</b>	
Physical Properties:	Hardness 86 D	ASTM D 2240
Chemical Resistance:	Once fully cured, the material will demonstrate good resistance to a broad range of commonly found chemicals	
Surface Preparation:	The surface to be coated must be free of all rust, scale, dirt, dust, grease, oil, release agents, or other contaminants. For smooth surfaces or where vibration is a concern, tack weld an open mesh screen or expanded metal approximately 1/16 to 1/8 inch above the surface. Chip off weld slag.	
Measuring:	<b>Partial kit usage is not recommended.</b> If you need less than the amount of Armor Plate-Steel Super Fast in the smallest kit, accurately weigh or measure by volume the resin and hardener following the mixing ratios shown under Application Guidelines. <b>Do not attempt to "eyeball" the mixture needed.</b>	

Mixing:

Empty all the hardener into the resin and thoroughly mix with a trowel or similar tool until uniform in color, usually 1 minute. Remember, incomplete mixing will result in incomplete curing, soft spots, and poor performance.

If the kit becomes colder than 40 °F, preheat the cans in hot tap water to a maximum of 80 °F. Excessive heat will reduce the work life. **Do not heat containers with a torch.**

Application:

After mixing immediately apply Steel Super Fast directly on to the prepared surface using a spatula or other suitable applicator. Press in firmly to fill all crevasses and ensure maximum contact with the substrate. If a second layer of material is required it should be done so no longer than 4 hours after the application of the first layer at ambient temperature.

Curing Procedures:

At 72-75F this material will be solid and non-tacky in 5-20 minutes depending on thickness. Functional cure in 1 hour. Final properties will be developed in 24 hours.

### SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD ON, BURN OR TORCH ON OR NEAR MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN BURNED.**

Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

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