

Wencon Rapid

General Description	<p>Wencon Rapid is a fast curing, two-component compound. After curing, Wencon Rapid will exhibit a wide range of the characteristics of metals, which together with outstanding adhesion to all metallic surfaces, makes the compound highly suitable for repair of corroded and worn metal. Wencon Rapid is non conducting and will therefore not cause bi-metallic corrosion.</p> <p>Wencon Rapid is very suitable for applications where thicker layers of material are required, as the compound quickly sets and becomes solid. Typical applications are corroded tanks, pump housings and impellers, valves, tubes, pipes, heat exchangers, flange faces, seats, worn shafts, hydraulic rams and all emergency repairs, where a short curing time is required.</p>						
Surface Preparation	<p>Before applying, the surface must be clean. If possible shotblasted to Swedish Standard SA 2 1/2. Where impregnation of oil or salt is possible, the item is either left for 10-20 hours or heated to 30-40°C (86-104°F) in order to sweat out the oil or salt. Then the sandblasting is repeated. In some applications sandblasting is not possible and thorough grinding must take place to clean metal.</p> <p>N.B. Steelbrushing is not advisable as it gives a smooth surface. After grinding Wencon Bio Cleaner is used for degreasing.</p>						
Mixing Ratio	Mixing ratio 1:1 by volume. Mix until even color is obtained.						
Pot Life	10-20 minutes at 20°C (68°F), depending on amount.						
Applying	Wencon Rapid is applied using the spatula supplied with the kit.						
Curing	Curing time depends on the temperature and the thickness applied. At 20°C (68°F) 40-90 minutes. If faster curing is required, heat can be added. At 100°C (212°F) curing time is reduced to 10-15 minutes.						
Machinability	After curing, Wencon Rapid can be machined, drilled and worked like metal.						
Chemical Resistance	After curing, Wencon Rapid will be resistant to oil, water, saltwater, most diluted acids and a range of solvents.						
Temperatur Resistance	<table> <tr> <td>Corrosion and heavy load:</td> <td>60°C (140°F)</td> </tr> <tr> <td>Light or no load:</td> <td>120°C (248°F)</td> </tr> <tr> <td>As filling compound:</td> <td>up to 250°C (482°F)</td> </tr> </table>	Corrosion and heavy load:	60°C (140°F)	Light or no load:	120°C (248°F)	As filling compound:	up to 250°C (482°F)
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Specific Volume	709 ccm/kg. (45,3 cu inch/kg)						
Hardness	Shore D 81.						
Handling Precautions	Read the instructions on the packaging and the Material Safety Data Sheet.						