

# Wencon Hi-Temp

General Description	<p>Wencon Hi-Temp is a two-component liquid coating. After curing Wencon Hi-Temp will provide a smooth non porous coating, resistant to bi-metallic corrosion, medium chemical exposure, corrosion and erosion and impingement. Wencon Hi-Temp contains no solvents.</p> <p>Wencon Hi-Temp is ideal for protection of tanks, pumps and valves against chemical and mechanical aggression, corrosion and bi-metallic corrosion. Typical applications are coating of surfaces rebuild with Wencon Cream, including repair of lining on inert gas systems, fresh water generators, hot pipes and heating coils.</p>						
Surface Preparation	<p>Before applying the surface must be clean. If possible shot blasted to Swedish Standard SA 21/2. Where impregnation of oil or salt is possible the part is either left for 10-20 hours or heated to 30-40°C (86-104°F) in order to sweat out oil or salt. Then shot blasting is repeated. In some applications shot blasting is not possible and a thorough grinding must take place to clean metal. N.B. Steel brushing is not advisable as it gives a smooth surface. After grinding Wencon Bio Cleaner is used for degreasing.</p>						
Mixing Ratio	<p>Mixing ratio 1:2 by volume. Mix the contents of the two tubs until an even colour is reached. At low temperatures, the base part is very stiff. Apply heat for better mixing (up to 25°C).</p>						
Pot Life	<p>20-40 minutes at 20 °C (68°F).</p>						
Applying	<p>Wencon Hi-Temp is applied using either the spatula supplied with the kit or a brush, with half the length of the bristles cut away.</p>						
Overcoating	<p>Wencon Hi-Temp is applied in two operations. It is therefore supplied in two different colours. The overcoating time depends on the temperature. The second coat must be applied whilst the first coat is still tacky. The time will vary from one to three hours. If full curing has occurred a light shot blasting is necessary prior to the second coat.</p>						
Curing	<p>Curing will take place in 10 - 24 hours at 20 °C (68°F). If high chemical resistance is required, the item should cure for up to 7 days. Elevated temperatures will shorten the curing time.</p>						
Machinability	<p>After curing, Wencon Hi-Temp forms a hard, durable material that is machinable with standard tools.</p>						
Chemical Resistance	<p>After curing, Wencon Hi-Temp will be resistant to oil, water, salt water, most diluted acids and a number of solvents. It is advised to test the product for suitability.</p>						
Temperature Resistance	<table border="0"> <tr> <td>Corrosion and heavy load:</td> <td>160°C (320°F)</td> </tr> <tr> <td>Light or no load:</td> <td>220°C (430°F)</td> </tr> <tr> <td>As filling compound:</td> <td>up to 300°C (570°F)</td> </tr> </table>	Corrosion and heavy load:	160°C (320°F)	Light or no load:	220°C (430°F)	As filling compound:	up to 300°C (570°F)
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Specific Volume	<p>680 cm<sup>3</sup>/kg. (43,5 cu inch/kg)</p>						
Hardness	<p>Shore D 82.</p>						
Coverage	<p>Approx. 0,86 kg per m<sup>2</sup> at 600 micron layer.</p>						
Handling Precautions	<p>Read the instructions on the packaging and the Safety Data Sheet.</p>						