

Wencon Hi-Temp

General Description	<p>Wencon Hi-Temp is a two-component product curing at room temperature. After curing the Wencon Hi-Temp will provide a smooth non porous coating, which is resistant to bi-metallic corrosion, medium chemical attack, corrosion and erosion and impingement. Wencon Hi-Temp contains no solvents.</p> <p>Typical applications are coating of surfaces rebuilt with Wencon Cream, coating of new tanks, pipes, pumps, valves, wet liners, cooler end covers and other parts exposed to temperatures up to 160°C to be protected against corrosion.</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.</p> <p>N.B. Steel brushing is not advisable as it gives a smooth surface. After grinding Wencon Cleaner is used for degreasing.</p>
Mixing Ratio	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).
Pot Life	20-40 minutes at 20 °C (68°F).
Applying	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.
Overcoating	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.
Curing	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.
Machine-ability	After curing the Wencon Hi-Temp can be machined, drilled etc. like metal.
Chemical Resistance	After curing the 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.
Temperatur Resistance	<p>Corrosion and heavy load: 160°C (320°F)</p> <p>Light or no load: 220°C (430°F)</p> <p>As filling compound: up to 300°C (570°F)</p>
Specific Volume	680 ccm/kg. (43,5 cu inch/kg)
Hardness	Shore D 82.
Coverage	Approx. 1 kg/m ² (0,2 lb/sq. ft.) in 600 micron.
Handling Precautions	Read the instructions on the pack and the Material Safety Data Sheet.