

## Wencon Ceramic Coating

### General Description

Wencon Ceramic Coating is a two-component product, curing at room temperature. After curing, Wencon Ceramic Coating will provide a smooth non-porous coating, which is resistant to bi-metallic corrosion, light chemical attack, corrosion and impingement. Wencon Ceramic Coating contains no solvents.

Typical applications are coating of surfaces rebuild after deterioration and protection against wear, corrosion and bi-metallic corrosions. Wencon Ceramic Coating has a high abrasion resistance, making it suitable for applications on propeller nozzles, rudders, thruster tunnels and housings. In addition, the product also offer high temperature resistance, which makes it ideal for applications on gas scrubbers, condensers and end-covers.

### Surface Preparation

Before applying, the surface must be clean. If possible shot blasted 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. N.B. Steelbrushing is not advisable as it gives a smooth surface. After grinding, Wencon Cleaner is used for degreasing.

### Mixing Ratio

Mixing ratio 1:2 by volume. Mix until even color is obtained.

### Pot Life

20-30 minutes at 20°C (68°F), depending on amount.

### Applying

Wencon Ceramic Coating is applied using the spatula supplied with the kit or a brush with half the length of the bristles cut away.

### Overcoating

Wencon Ceramic Coating is applied in two operations. It is therefore supplied in two different colours, light grey and light green. 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 two hours. If full curing has occurred a light shot blasting is necessary prior to the second coat.

### Curing

Curing will take place in 10-15 hours. If the coating shall be exposed to chemicals, let it cure for 7 days before the exposure.

### Chemical Resistance

After curing, the Wencon Ceramic Coating will be resistant to oil, water, saltwater, most diluted acids and a range of solvents.

### Temperatur Resistance

Corrosion and heavy load:	220°C (428°F)
Light or no load:	260°C (500°F)
As filling compound:	up to 320°C (608°F)

### Specific Volume

658 ccm/kg. (42 cu inch/kg)

### Coverage

1 kg/m<sup>2</sup> (0,2 lb/sq. ft.) in 600 micron.

### Hardness

Shore D 81.

### Handling Precautions

Read the instructions on the pack and the Material Safety Data Sheet.