

Wencon Rapid

General Description

Wencon Rapid is a fast curing, two-component product, curing at room temperature. After curing, Wencon Rapid will exhibit a wide range of the characteristics of metals, which together with outstanding adhesion makes the system most suitable as a repair compound for repairing corroded and worn metal. Wencon Rapid is non conducting and can neither corrode nor bi-metallic corrode.

Typical applications are corroded tanks, pump housings and impellers, valves, tubes, pipes, heat exchangers, flange faces, roller bearing seats, worn shafts, hydraulic rams, keyways, etc. It is also excellent for filling gaps.

Surface Preparation

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.

N.B. Steelbrushing is not advisable as it gives a smooth surface. After grinding Wencon Cleaner is used for degreasing.

Mixing Ratio

Mixing ratio 1:1 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 the Wencon Rapid can be machined, drilled, etc. like metal.

Chemical Resistance

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

Temperatur Resistance

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)

Specific Volume

709 ccm/kg. (45,3 cu inch/kg)

Hardness

Shore D 81.

Handling Precautions

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