

## Wencon Coating

The versatile and cost effective coating product for general repair, maintenance and protection jobs.

- Strong adhesion to all metal surfaces
- Efficient double coat system
- Easy mixing and application
- High coverage rate
- Fully machinable

### General information

Wencon Coating is a two-component, liquid epoxy coating suitable for a wide range of applications. It provides a smooth non porous surface, which is resistant to bi-metallic corrosion, light chemical aggression, corrosion and erosion as well as impingement.

Wencon Coating offers resistance to oil, water, saltwater and most diluted acids and alkalis as well as a range of solvents. Heat resistance ranges from 60° C (140°F) in corrosive and heavy load environments and up to 250° C (482°F) when applied as a filling compound.

Wencon Coating is a double coat system and is consequently supplied in two different colours, white and blue.

### Application areas

Wencon Coating is used for a variety of small and large repair and maintenance jobs. Typical applications are coating of surfaces rebuild after deterioration. Wencon Coating is used for coating of new parts, or protection of pumps, valves, wet liners, cooler end covers or other surfaces, against corrosion and bi-metallic corrosion.

### Mixing

The Wencon products are designed to be simple to use and cost effective. Easy mixing ratio (1:2 by volume) reduce waste to a minimum and high specific volume gives high coverage rates.



### Product numbers:

- |          |  |
|----------|--|
| No. 1020 | Wencon Coating, white 0,5 kg (1,1 lb) unit |
| No. 1030 | Wencon Coating, blue 0,5 kg (1,1 lb) unit  |

### IMPA no.

- |        |
|--------|
| 812337 |
| 812338 |

### ISSA no.

- |           |
|-----------|
| 75.553.10 |
| 75.553.11 |

## GENERAL DESCRIPTION

Two-component solvent free liquid epoxy coating for protection against bi-metallic corrosion, galvanic corrosion and erosion.

## SURFACE PREPARATION

The surface must always be dry, clean and degreased

Applying to new steel surface:

- shot blasing to SA 2,5
- profile 75 microns

Repairing old steel surface:

- shot blasting to SA 2,5
- sweat out water and salts
- profile 75 microns

## MIXING RATIO

Mix by volume 1:2. Mix until an even colour is obtained.

## POT LIFE

Depending on amount mixed and temperature. Mixed in small amounts, the pot life is approximately 20-30 minutes at 20°C (68°F)

## APPLYING

Wencon Coating is liquid and is applied by brush, roller or spatula.

## OVERCOATING

Wencon Coating is a double coat system. The overcoating time can vary from one to three hours depending on temperature. The second coat must be applied whilst the first coat is still tacky. If full curing has occurred a light sandblasting or grinding is necessary prior to the second coat

## CURING TIME

Curing will take place in 10-15 hours at 20°C (68°F)

## MACHINABILITY

After curing, the product can be machined, drilled and worked like metal.

## REDUCED CURING TIME WITH INFRARED

This product is tested with and suitable for infrared curing. Curing with infrared radiation can reduce curing time significantly. Result can vary, depending on circumstances and equipment used.

## COVERAGE RATE

Theoretical: 0,80 kg per m<sup>2</sup> (0,16 lb/sq. ft.) at 600 microns

Practical: 1,0 kg per m<sup>2</sup> (0,20 lb/sq. ft.)

## TECHNICAL DATA

Hardness Shore D: 80 **(DIN 53505)**

Tensile strength: 12,9 N/mm<sup>2</sup> - 1835 p.s.i. **(DIN 53454)**

**Compressive strength:**

Modulus of elasticity: 2199 N/mm<sup>2</sup> - 314,000 p.s.i. **(DIN 53454)**

Rcrack: 95 N/mm<sup>2</sup> - 13,500 p.s.i. **(DIN 53454)**

Shear adhesion: 16,20 N/mm<sup>2</sup> - **(ASTM D1002)**

Adhesion to steel: 6,0 N/mm<sup>2</sup> - **(ISO 4624)**

## SPECIFIC VOLUME

730 ccm per kilogramme (46,7 cu inch/kg)

## TEMPERATURE RESISTANCE

Corrosion: 60°C (140° F)

Light load: 120°C (248°F)

As filler: 250°C (482°F)

## CHEMICAL RESISTANCE

The compound is resistant to oil, water, salt-water and most diluted acids and alkalis as well as a range of solvents.

## SHELF LIFE

At 20°C (68°F) : 3 years

## HANDLING PRECAUTIONS

Read the Wencon Instruction for Use and the Material Safety Data Sheet.

## QUALITY TEST

Porettest and test of layer thickness can be tested with normal electronic instrument like high voltage and high frequency.