

Sealers and Impregnators

WEICON S 500 HT



very low viscosity | high-temperature-resistant | chemical-resistant

WEICON S 500 HT is a ready-to-use, very low-viscosity, colourless impregnating agent, which due to its capillary action penetrates into pores easily and seals them permanently elastic. It has a high thermal resistance up to 500 °C, a very high resistance to aggressive chemicals and provides a high dielectric strength. It is suitable as a sealant for thermal spray coatings. For optimum corrosion protection results and chemical resistance, WEICON S 500 HT must be annealed at 220 °C for 2 hours. The impregnating agent contains solvents.

Charakteristik

Colour after curing	colourless
Specific properties	high temperature resistant
Base	Solvent
Viscosity +25 °C Brookfield	5-10 mPa·s
Shelf life	24 mon.

Verarbeitung

Component temperature	>3 °C above dew point
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Aushärtung

Final strength	6h RT + 2h 220°C
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Thermal parameters

Temperature resistance	500 °C
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Surface pre-treatment

The surface has to be dry, clean and free from dust, oil and grease.

Processing

The layer to be sealed should be treated at least twice wet-on-wet with WEICON S 500 HT within a few minutes or immersed for at least 15 minutes. The temperature of the surface should be at least 3 °C above the dew point and not above 40 °C.

The drying time is 6 hours at 25 °C + 2 hours at 220 °C. For plastic models, the temperature must not be above the softening point of the plastic.

The impregnating agent is not a primer and must not be coated.

The impregnation should be repeated at regular intervals.

Safety and health

When using WEICON products, the physical, safety-related, toxicological and ecological data and regulations in our EC safety data sheets (www.weicon.com) must be observed.

Available sizes

18100001	WEICON S 500 HT, 1 L
18100005	WEICON S 500 HT, 5 L
18100010	WEICON S 500 HT, 10 L
18100028	WEICON S 500 HT, 28 L

Conversion table

$(^{\circ}\text{C} \times 1,8) + 32 = ^{\circ}\text{F}$
 $\text{mm}/25,4 = \text{inch}$
 $\mu\text{m}/25,4 = \text{mil}$
 $\text{N} \times 0,225 = \text{lb}$
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8,851 = \text{lb}\cdot\text{in}$
 $\text{Nm} \times 0,738 = \text{lb}\cdot\text{ft}$
 $\text{Nm} \times 141,62 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$
 $\text{N}/\text{cm} \times 0,571 = \text{lb}/\text{in}$
 $\text{kV}/\text{mm} \times 25,4 = \text{V}/\text{mil}$

To the product detail page:



Note

The specifications and recommendations given in this technical data sheet must not be seen as guaranteed product characteristics. They are based on our laboratory tests and on practical experience. Since individual application conditions are beyond our knowledge, control and responsibility, this information is provided without any obligation. We do guarantee the continuously high quality of our products. However, own adequate laboratory and practical tests to find out if the product in question meets the requested properties are recommended. A claim cannot be derived from them. The user bears the only responsibility for non-appropriate or other than specified applications.

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