

WEICON Laser Marking Spray



Enhances contrast | highly versatile | suitable for various types of lasers

WEICON Laser Marking Spray was specially developed for high-quality, permanent and precise laser engravings. The spray is versatile in use and improves the contrast, legibility and quality of laser markings on a wide range of materials. It can be used on steel, stainless steel, copper, brass, aluminium, glass and ceramics.

When applied to the surface to be marked, the spray creates a thin, highly resistant layer. During laser marking, the material bonds with the surface to create a deep black, high-contrast marking that meets the highest standards. Thanks to the innovative formula, the spray produces an extremely scratch-resistant, chemically resistant and UV-resistant marking layer.

WEICON Laser Marking Spray is suitable for various laser types, such as CO₂ lasers, fibre lasers and diode lasers. It is used in industrial applications as well as for individual customisation and decoration. The spray withstands extreme temperatures ranging from -200 °C to +450 °C, with brief resistance up to +500 °C.

Compared to other marking methods, heat input is significantly reduced, which prevents any material deformation.

The laser spray can be used in industry to mark parts – facilitating traceability and identification. The laser engraving spray can be used to apply barcodes, serial numbers, type labels and QR codes to various materials. It is used for the customisation of promotional items, tools, equipment and objects made of metal, glassware and ceramic products. The spray allows logos and decorative designs to be laser marked onto various surfaces.

Technical data

Odour	solvent
Silicone-free	yes
Dust-dry after	2-3 min.
Minimum shelf life	at room temperature 24 mon.
Temperature resistance	-200°C to +450°C, briefly up to +500°C

Approvals / Guidelines

MIL-Spec	complies with	MIL-C-1258
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Application

Ensure good ventilation during use. Shake the can well before use until the mixing ball is clearly audible. Apply the spray from a distance of approx. 20 cm. The spray is dust-dry after 2-3 minutes. After laser marking, apply Cleaner Spray S to a lint-free cloth and simply wipe off any excess spray residue.

Storage

Container is pressurised. Protect from direct sunlight and temperatures above +50 °C.

Instructions for use

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

10105130 WEICON Laser Marking Spray, 400 ml

Conversion table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{mm}/25.4 = \text{inch}$
 $\mu\text{m}/25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N}/\text{mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$

$\text{Nm} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{Nm} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{Nm} \times 141.62 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$
 $\text{N}/\text{cm} \times 0.571 = \text{lb}/\text{in}$
 $\text{kV}/\text{mm} \times 25.4 = \text{V}/\text{mil}$

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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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