

WEICON Spacing Tape



Fixing aid for hybrid adhesives | strong adhesion | for indoor and outdoor use

The grey spacing tape was specially designed for use in hybrid bonding applications. In such bonding applications, the components to be bonded are secured using two materials – an adhesive and a tape. The strong-adhesion spacing tape, made from modified acrylic foam, acts as a fixing aid for the component to be bonded in this type of application. It holds the component in place until the adhesive, which is intended to permanently secure it, has hardened and reached its full adhesive strength. The tape can be used wherever a defined bonding gap of 3 mm (or more) is required – for example, in applications and coatings using WEICON Plastic Metal. It is also suitable for thick-layer bonding of elastic adhesives and sealants. The spacing tape is highly flexible and adapts perfectly to the surfaces to be bonded. It can be used for permanent bonding both indoors and outdoors. The closed-cell adhesive tape has a high elongation at break of 650%, a temperature resistance from -40 °C to +120 °C and is resistant to UV and moisture. The spacing tape can be used in a variety of applications, such as vehicle construction, the caravan sector, metal and apparatus construction, enclosure manufacturing, the electronics industry, mechanical engineering, the furniture industry, advertising technology and shipbuilding. The tape has a width of 6 mm, a thickness of 3.1 mm and a roll length of 16.5 metres.

Technical Data

Colour		grey
Specific properties		Acrylic, modified
Width		6 mm
Length		16,5 m
Thickness		3,1 mm
Elongation at break	DIN EN ISO 29864	650 %
Tensile strength		22 N/cm
Adhesion on steel	DIN EN ISO 29864	50 N/cm
T-Block tensile strength on aluminium	ASTM D-897	40 N/cm ²
Temperature resistance		-40 °C to +120 °C

Surface Pre-Treatment

Surfaces must be clean and free of grease. Many types of surface contamination, such as oil, grease, dust and dirt, can be removed with WEICON Surface Cleaner. For heavily soiled metal surfaces, we recommend WEICON Cleaner Spray S. To remove old paint or adhesive residues, use WEICON Sealant and Adhesive Remover. Most materials can be bonded well with each other. For certain materials or extreme requirements, we recommend using a primer. Mechanical surface preparation, e.g. by grinding or sandblasting, can also significantly improve adhesion.

Application

The application temperature should be above +15 °C.

Processing methods

Cut the spacing tape to the desired length, remove the protective film from one side and stick it onto the relevant component. WEICON adhesive can then be applied to the component immediately afterwards.

Professional dispensing gun for 310 ml cartridges (WEICON Cartridge Gun Special / manual dispensing); compressed air gun – we recommend a version with a piston rod (WEICON Compressed Air Cartridge Gun) or automatic dispensing systems.

Joining the parts to be bonded

To ensure optimal wetting, the parts to be bonded must be joined before the WEICON adhesive has formed its initial skin (skin-formation time).

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

10067873 WEICON Spacing Tape, 1 PCE, grey

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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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:



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