

TAURUS 4047 ALUMINIUM ELECTRODES

Description

The TAURUS 4047 aluminum welding electrode contains approximately 12% silicon making it a popular choice for welding aluminum alloys, particularly those with high silicon content. It is known for its good fluidity and crack resistance, making it suitable for various applications in industries such as automotive, aerospace, and marine.

The TAURUS 4047 welding rod is typically used for welding aluminum to aluminum, as well as for repairing aluminium-silicon and aluminium-magnesium-silicon cast parts. For optimum performance, during he welding process the electrode should be used perpendicular to the workpiece with a short arc length. When the workpiece thickness exceeds 10m, preheating between 150°C and 250°C should be applied.

Slag residues cause corrosion and must therefore be removed completely from the weld bead. The Taurus 4047 electrodes are supplied in a vacuum packed tin and must be stored in a dry location. Electrodes can be redried if required before use.

POLARITY

- DCEP (DC Electrode Positive)

WELDING POSITIONS

- Flat
- Horizontal
- Vertical up

CLASSIFICATIONS

- AWS/ASME SFA-5.3:E4047
- EN ISO 18273:E Al 4047 (AlSi 12)

AVAILABLE IN

- 2.50 x 350mm – 2kg pack
- 3.25 x 350mm – 2kg pack

TYPICAL WELD DEPOSIT VALUES	%
Silicon	12%
Aluminium	87.7%
Copper	0.20 %

Chromium	0.30 %

TYPICAL MECHANICAL VALUES	AS WELDED
Yield strength (N/mm²)	80
Tensile strength (N/mm²)	200
Elongation A5(%)	8

Product Category

1. Aluminium
2. Consumables
3. Electrodes

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