



23 Exhibition Drive, Malaga Western Australia

Monday - Friday 7am-5pm + Sat 8am-4pm

Sales Centre for Sales, Advice + Orders

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## 2.5MM X 2KG PLATINUM 16XT WELDING ELECTRODES WC-03974 BY WELDCLASS



SKU	Option	Part #	Price
5009568		WC-03974	\$49



Model	
Type	Welding Electrodes
SKU	5009568
Part Number	WC-03974
Barcode	9341562039741
Brand	Weldclass
Size	2.5mm
Technical - Main	
Material	Platinum 16XT (Hydrogen Controlled, Twin-Coated)
Dimensions	
Product Weight (Net Weight)	2 kg
Packaging + Shipping	
Shipping Weight (Gross)	1.48 kg



Hydrogen controlled ("low hydrogen") E7016 series stick welding electrodes with a special Twin Flux Coating for superior arc stability - in Foil-Sealed 2KG Vacuum Packs. Commonly used for mild or high strength steel, where the joint requires higher strength than regular "GP" electrodes, such as highly restrained joints or components subject to higher load stress. Also used as a buffer layer prior to hard facing. 16XT welding rods are All-Positional (except for vertical down), easy striking & smooth running, with low spatter & easy slag removal. Available in 2.5mm, 3.2mm & 4.0mm. AWS A5.1 E7016 H8 & AS/NZS 4855: B E4916 A U H10 classifications.

### Features:-

User Friendly: Very Smooth & Stable Arc, Easy Striking, Low Spatter, Easy Slag Removal

Hydrogen controlled, for welding mild & high-strength (carbon-manganese) steels up to 510MPa

All-Positional (except for vertical down) & excellent weld appearance

Vacuum foil sealed packs keeps moisture out, right up to the point of use

Air contains moisture (humidity) and any electrode exposed to air will absorb moisture

This increases hydrogen levels in the electrode (water 'H2O' contains hydrogen 'H')



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Increased hydrogen compromises the strength & mechanical properties of the weld

Moisture can also negatively affect the arc characteristics of the electrode

Smaller pack size reduces waste & minimises exposure to atmospheric moisture

Twin-coated

Suitable for all DC or AC welding machines

**Classifications:-**

AWS A5.1 E7016 H10

AS/NZS 1553.1 (old) E4946

AS/NZS 4855: (new) B E4916 A U H10

EN ISO 2560-A: E 38 2B H10

**Applications:-**

Mining maintenance & fabrication

Structural steel & site welding

Rural maintenance

Pipe construction

Boilers & pressure vessels

Build up or buffer layer prior to hard facing

Single sided weld joints

**Properties:-**

Yield Strength: 470 MPa

Tensile Strength: 540 MPa

Elongation: 26%

Impact Strength (CVN): 70J @ -20c / 50J @ -30c

**FAQ:-**

Q: Does the vacuum foil seal avoid the need for pre-drying electrodes in an oven? A: This depends on the application. At the point of opening a sealed pack, 16XT electrodes will almost certainly contain less moisture than electrodes that are not vacuum sealed - however electrodes ovens should still be used in critical situations or when specified in the weld procedure.

Q: How many rods per pack/KG ? 2.6mm = approx. 50 rods per KG / 125 rods per 2.5kg pkt 3.2mm = approx. 33 rods per KG / 83 rods per 2.5kg pkt

**Technical Data:-**

[Download Fact Sheet Here](#)

[Product Overview + Video](#)