



# 39

FC TIG "RootGard"

MAGNA 39



## FC TIG "RootGard"

- *Newest Flux-Cored Welding Formulation For In-situ Pipe Repair Especially in Food & Beverage/Dairy and Pulp & Paper Plants*
- *Needs No Back-Shielding / Purging – Saves Time & Cost*
- *Shields Backside of Root Pass from Corrosive Impact of Atmospheric Nitrogen & Oxygen*
- *One of the Most Efficient, Reliable and Economical Single-Sided TIG Rootpass Welding Technology with Smooth & Clean Penetration*

**TRUST** *Ease of Application*  
**MAGNA** *Wide Versatility*  
**FOR** *Outstanding Physical Properties*



**MAGNA INDUSTRIAL CO. LIMITED**  
*Total Quality Maintenance*

## SPECIAL FEATURES

**Magna 39** is a state-of-the-art flux-cored wire that promotes genuine cost & time saving in maintenance welding of pipes & vessels.

- **Magna 39** eliminates the need for back shielding or purging using inert gas, excessive downtime, and all related setup costs in maintenance pipe welding.
- **Magna 39** shields the backside of the root pass from destructive effects of atmospheric nitrogen & oxygen.
- **Magna 39** is an ideal in-situ maintenance welding formulation particularly suitable for 316 & 316L types of steel pipes and tubes.

## OUTSTANDING PROPERTIES

MAGNA 39's advanced formulation offers:

- 316 stainless steel type deposit for outstanding corrosion resistance.
- Extra low-carbon formulation to minimize inter-granular corrosion due to chromium carbide precipitation.
- Ideal application for low carbon 18% Cr-12% Ni-3% Mo grade stainless steels.
- Excellent X-Ray result.

## USE FOR

**Use MAGNA 39 for:**

- Root pass in pipe welding to eliminate backside purging with inert gas.
- Many stainless steels, low alloy steels and mild steels
- Particularly "Food Grade" 316 and 316L type steels.
- Ad-hoc or urgent pipe repairs that could not be accompanied with extensive setup and preparation or unplanned downtime.
- Piping systems in food & beverage/dairy and pulp & paper plants.



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The information contained in this publication supersedes all relevant information previously released and is to the best of our knowledge and accurate at the time of issue on 1 March, 2010.