

PRODUCT DATA SHEET

Argoshield® Universal

Argoshield® Universal has been formulated for general fabrication of carbon steel over the typical thickness range 5-12 mm. This gas mixture is easy to use, giving good weld performance across a wide range of applications and welding parameters. It can be used in any position, for single- and multi-pass welds in dip, spray, pulsed or synergic mode. Combined with its excellent arc stability, low spatter and broad weld profile, these advantages make Argoshield® Universal an excellent choice for quality and economy in general engineering applications.

Afrox MSDS number: SG/MSDS 3

Hazards

- Asphyxiant in high concentrations
- Compressed – high pressure gas mixture in cylinders.

Classifications

Gas Components

Argon

Carbon dioxide

Oxygen

Material Description	Mass (kg)	Cylinder Capacity (l)	Pressure @ 20°C (Bar)	Valve Outlet Connection	Item Number
ARGOSHIELD® UNIVERSAL CYL 18,5 KG	18,5	50,0	200	5/8" BSPF right hand female	28-SE

Applications

- General fabrication
- General industrial products
- Light to medium-plate fabrication
- Structural steelworks
- Bridgework
- Pipe and tube joining
- Vehicle manufacture/heavy trucks.

Features	Benefits
Excellent arc stability	Low spatter
Low distortion	Minimal post weld straightening
Low oxidation potential	Smooth weld bead
Used in dip, pulsed and spray metal transfer modes	Higher productivity
Low levels of nitrogen and moisture	Low porosity and other defects
High levels of accuracy and quality control during production	Reproducible weld quality from cylinder to cylinder

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Precautions in Use

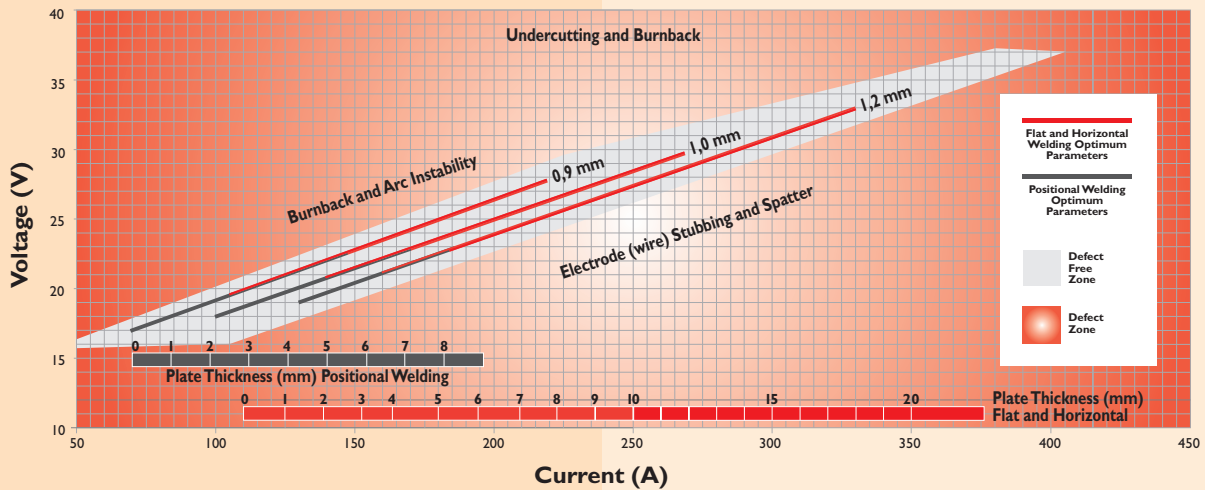
- Use only approved pressure rated equipment
- Use only in well ventilated areas
- Open cylinder valve slowly
- Close cylinder valve when not in use
- Do not allow oil or grease on cylinder or valve
- Cylinders should be secured from falling over
- Refer to MSDS for more information.

Material Compatibility

Argoshield® Universal is non-corrosive and so any common metal is acceptable, provided the equipment is designed to withstand process pressure.

Current/Voltage Envelope

Operating limits for 0,9 mm, 1,0 mm and 1,2 mm diameter wires.



Electrode stick out, contact tip-to-work distance 19-25 mm for spray,
6-13 mm for dip, gas flow rate 15-20 l/min

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