

# PRODUCT DATA SHEET

## Argoshield® 5

Argoshield® 5 has been formulated specifically for welders using the GMAW process on carbon steel typically less than 4 mm thick. This gas mixture, which can be used in all positions, produces low heat input and narrow weld beads, so reducing distortion and burn-through. Together with its excellent arc stability and high speed capability for welding thin sheet, Argoshield® 5 is easy to use, provides a quality weld and minimises overall cost.

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® 5 CYL 17,8 KG	17,8	50,0	200	5/8" BSPF right hand female	24-SE
ARGOSHIELD® 5 CYL 8,4 KG	8,4	23,6	200	5/8" BSPF right hand female	24-KE

### Applications

- Duct and sheet metal engineering industries
- Automotive components manufacture
- Vehicle repair
- Cabinets/steel furniture manufacture
- Domestic appliance manufacture
- Light gauge storage tanks.

Features	Benefits
Excellent arc stability	Minimal spatter
Low distortion	Easy to use, minimal post weld straightening
Low oxidation potential	Good appearance and quality finish
Wide operating envelope	Allows high productivity, excellent welder appeal
Low levels of nitrogen and moisture	Low porosity and other defects, high toughness
High levels of accuracy and quality control during production	Reproducible weld quality from cylinder to cylinder

### Precautions in Use

- Asphyxiant in high concentrations
- Compressed high pressure gas in cylinders
- Use only approved pressure rated equipment
- Do not allow oil or grease on cylinder or valve
- Open cylinder and MCP valves slowly

- Close cylinder and MCP valves when not in use
- Cylinders should be secured from falling over.

### Material Compatibility

Argoshield® 5 is non-corrosive and so any common metal is acceptable, provided the equipment is designed to withstand process pressure.

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