

PRODUCT DATA SHEET

Stainshield® Plus

Stainshield® Plus has been formulated specifically for welders using the GMAW process on all stainless steels, particularly 3CR12. It provides a strong weld and is suitable across a wide range of metal thicknesses, particularly where the final appearance of the weld is important to the product. Its low oxidation potential, stable arc and fluid weld pool produce a decorative finish to the weld.

Afrox MSDS number: SG/MSDS 2

Hazards

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

Classifications

Gas Components

Argon

Carbon dioxide

| Material Description | Mass (kg) | Cylinder Capacity (ℓ) | Pressure @ 20°C (Bar) | Valve Outlet Connection | Item Number |
|----------------------------------|-----------|-----------------------|-----------------------|-----------------------------|-------------|
| STAINSHIELD® PLUS CYL 17,6 KG | 17,6 | 50,0 | 200 | 5/8" BSPF right hand female | 30-SE |

Applications

- All stainless steels
- Tubing and pipework
- Tanks and vessels
- Catering equipment
- Components for the petrochemical industry.

| Features | Benefits |
|---------------------------------|--|
| Good arc stability | Reduced spatter |
| Low oxidation potential | Low defect levels, good weld appearance |
| Wide operating envelope | Good weld appeal, versatile |
| Uses less wire | Minimises waste of expensive wire |
| Low distortion | Reduced post weld treatment |
| Fast | Can also be used on machines and robots |
| Improved fusion characteristics | Good positional welding, X-ray quality welds |
| Very stable dip transfer | Excellent on thin sheet, e.g. tanks |

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.

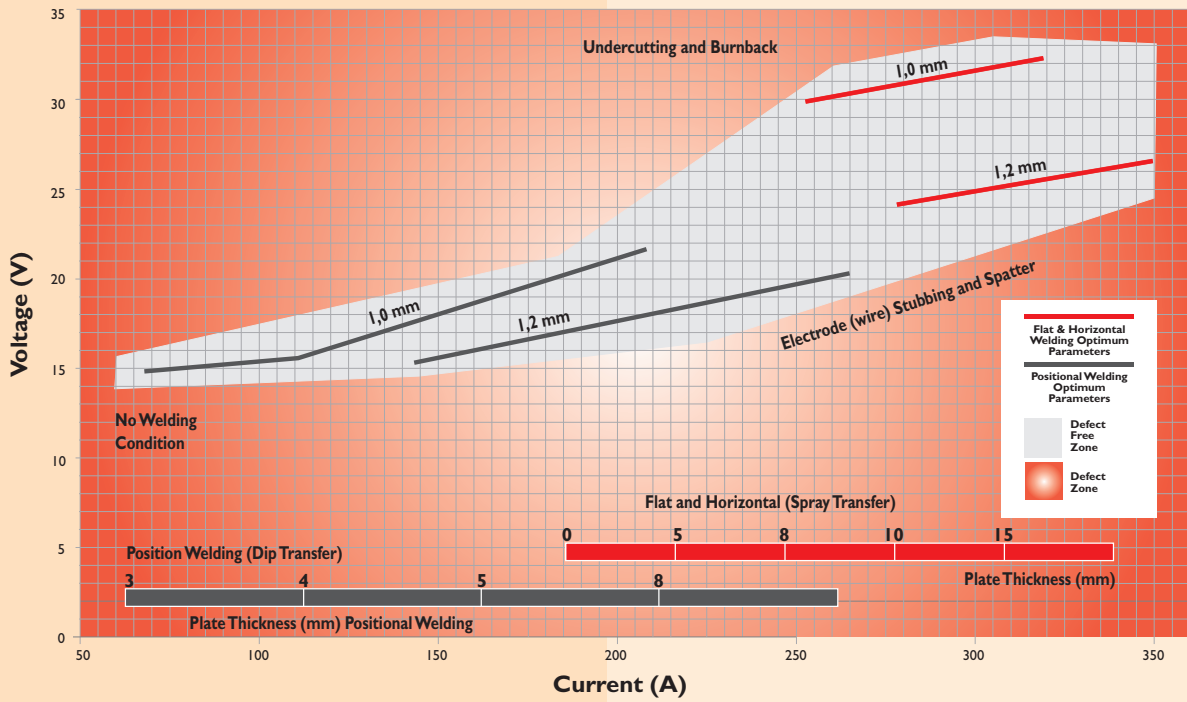
Material Compatibility

Stainshield® Plus 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 1,0 mm and 1,2 mm diameter wires.

PRODUCT DATA SHEET



Electrode stick out, contact tip-to-work distance 19-25 mm for spray, 8-13 mm for dip,
gas flow rate 15-18 l/min

The information contained or otherwise referenced herein is presented only as typical without guarantee or warranty, and Afrox expressly disclaims any liability incurred from any reliance therein. No data is to be construed as recommended for any welding condition or technique not controlled by Afrox.

For more information contact the Afrox Customer Service Centre Tel: 0860 02 02 02
E-mail: customer.service@afrox.linde.com Website: www.afrox.com

