

Description

The corrosion resistance and life cycle of stainless steel surfaces are dependent on thorough and professional surface treatment. A good passivation process eliminates corrosion problems by restoring the chromium oxide layer (passive layer) on the surface.

WS 3634 G Spray is a passivating liquid that restores the passive layer quickly and homogeneously on all surfaces of stainless steels and their alloys. Its formula does not contain nitric acid, which makes it a non-hazardous product for the operator. It is highly effective as it recovers 100% of the surface resistance to corrosion.

Properties

- Does not contain “nitric acid”.
- Quickly restores the passive layer.
- Restores corrosion resistance.
- Eliminates ferritic metal contaminations.
- Suitable for post-stripping treatment.
- Does not attack the original stainless steel finish.
- Increases the life of stainless steel if applied regularly
- It is not dangerous for the operator.
- It is not dangerous for transport.

Applications

- Passivation after pickling or polishing.
- Spray passivation of large parts such as tanks and structures.
- Passivation of MIG-MAG, TIC and MMA welding surfaces and seams.
- Suitable for passivation of austenitic and ferritic stainless steels, stabilised and non-stabilised stainless steels, nickel and its alloys.

Instructions of use

➤ **Security:**

Refer to the product safety data sheet.

➤ **Application:**

The product is ready to use, without dilution. Surfaces must be clean before applying the product.

Areas where the product should not or cannot be applied shall be sealed or protected by a plastic material.

The parts must not exceed 35°C and must not be exposed to direct sunlight.

Apply using a hand pump or the acid-resistant pneumatic pump (see WS catalogue).

The necessary reaction time depends on the ambient temperature and the type of welding and can vary between 90 minutes and 12 hours:

Exhibition Environment	Application Time
Normal Corrosion	90 min
Strong Corrosion	4 h
Very Heavy Corrosion	12 h

Note: It is recommended to carry out a test on a surface with the same characteristics as the part to be treated in order to check the results.

Rinse with plenty of water and ensure that no acid residues remain on the surface. Special attention should be given to cracks and hollow sections.

A final rinse with deionised water is recommended to avoid limescale stains and oxidation due to chlorine in the mains water.

➤ **Waste Management:**

The wastewater from the process is strongly acidic and contains dissolved metal ions. The concentration of metal ions is normally below the legal limit values. A pH neutralisation treatment can be carried out for subsequent delivery to a waste manager. The waste must be treated as hazardous waste according to legal requirements.

➤ **Storage:**

Store in accordance with local legislation. Observe label instructions. Store containers between 5 and 25°C, in a dry, well-ventilated place, away from heat sources and direct sunlight. Keep away from sources of ignition. Keep away from oxidizing agents and strongly acidic or alkaline materials. Do not smoke. Keep away from unauthorised persons. After opening, containers should be carefully resealed and placed upright to prevent spillage.

Certifications/Specifications

- Complies with ASTM A967 for passivation of stainless steels.
- The yield is between 0.15 and 0.20 kg/m2.

Technical data

Property	Specification/Method	Value
Reference	- - - - -	WS 3634 G Spray
Aspect	- - - - -	Gel
Colour	- - - - -	Yellow
Density at 20°C	- - - - -	Not applicable
100% pH	- - - - -	2,3
Surface tension at 20°C	- - - - -	Not applicable
Minimum temperature	- - - - -	5°C
Maximum temperature	- - - - -	35°C
Freezing point	- - - - -	Not applicable
Flash point	- - - - -	>60°C