

Description

WS 3911 G is a synthetic corrosion inhibiting and bath preserving additive specifically formulated for use on underwater plasma cutting tables as an anti-corrosion fluid.

The heat of the cutting process and the added moisture in a water table accelerate corrosion, causing freshly cut parts to rust. Adding WS 3911 G to the table is the simplest and most economical way to prevent rust on cut parts, surplus plates and the table itself.

Properties

- Prevents corrosion on cut parts, surplus plates and elements of the table itself.
- Prevents unpleasant odours in the bathroom thanks to its bactericidal properties.
- Does not stain metal.
- It does not interfere with the finishing operations of the cut surface.
- Specially formulated for cutting tables.
- Reduces glare from the arc.
- Blue colour for better monitoring of the toilet.
- Oil-free, it leaves no residue on cut metals, making degreasing easier if necessary.
- Dramatically increases the life of the emulsion.
- It is non-flammable and non-hazardous to the operator.
- It does not emit harmful vapours.

Applications

- Water baths on plasma cutting tables.

Instructions of use

➤ **Application:**

WS 3911 G should be added to the water at a dosage of 3%. Example:

Table with 400 litres of water, add 12 litres of additive.

Add it in the most turbulent area of the bath, if there is no turbulence, it should be spread evenly over the entire surface of the bath.

➤ **Bathroom control:**

It is very important to check the bath regularly, we cannot establish a standard check sequence, as this can vary considerably depending on the hours of use of the cutting table, we estimate that once a week is sufficient.

Since we have initially dosed at 3% and as we work with the table the additive will be consumed, we must keep the bath at the optimum concentration of 3% and thus guarantee the anti-corrosive capacity.

Use a brix refractometer (available in all countries and inexpensive), add a drop of the emulsion taken from the bath to the refractometer, the reading should be between 0.4 and 0.5%.

We must multiply the result of the refractometer x 7.4, which is the value of the additive).

Example:

Refractometer reading 0.5 x 7.34: 3.70% concentration. Refractometer reading 0.4 x 7.34: 2.96% concentration.

Technical data

Property	Specification/Method	Value
Reference	- - - - -	WS 3911 G
Aspect	- - - - -	Liquid
Colour	- - - - -	Blue
Density at 20°C	- - - - -	1.04 g/cc
pH (3% in distilled water)	- - - - -	>8
Solubility in water	- - - - -	Fully soluble
Refractometer value	- - - - -	7,4