

FS 10

1. PROPERTIES

When fabricating stainless steel the original mill finished plates and sections can become greasy and dirty. These and other surface contaminants can detract from the usual aesthetic clean appearance generally associated with stainless steel and can directly affect its corrosion resistance.

FS 10 degreases and cleans stainless steel and can be used for removal of light surface rust resulting from contact with ferritic steels.

2. FIELD OF APPLICATION

FS 10 is a non-etching degreasing and cleaning solution for use on Chrome, Chrome Nickel and Nickel alloys.

3. USING THE PRODUCT

Direct Method

FS 10 should be applied evenly and undiluted over the surface to be treated, using a brush or, for a more rapid application, by means of a low pressure spray applicator (obtainable from DELMET). 1 Kg. will give a coverage of 6-10 square metres. At room temperature FS 10 is generally fully effective after remaining on the metal surface for 60 minutes. The actual time to take effect will however depend upon the degree of surface contaminants requiring removal. It is recommended that FS 10 is not allowed to dry before removal. It should not, therefore, be applied to surfaces which are warm or in direct sunlight.

Immersion Method

For smaller items that can be immersed, FS 10 can be diluted with water up to a maximum ratio of 10:1. PVC or polythene tanks should be used to contain the solution. The effectiveness of the FS 10 is reduced upon dilution and only light soiling will be removed at the highest dilution.

Combination Method

FS 10 is not intended for the removal of heat discolouration. It can however, be successfully combined with PASTE ECOINOX, which has a more powerful action for removing welding oxides and heat discolouration.

PASTE ECOINOX should first be brushed onto the welds and heat affected zones and allowed to take effect for 30-60 minutes, Leaving overnight is not detrimental on metallurgically sound material. FS 10 should then be applied to the remaining surfaces and allowed to work for at least 60 minutes. It is not necessary to remove PASTE ECOINOX before applying FS 10.

Finally spray off all spent products using clean water. A high pressure (150 bar) cold water washer has proved to be the most effective method of carrying out this operation.

4. POST-TREATMENT

A clean stainless steel surface will generate a protective oxide film when exposed to uncontaminated air. The formation of this “passive layer” can be accelerated by chemically passivating. DELMET PASSIVATING products are available in solution, paste and spray-on paste form. Information sheets available on request.

5. EFFLUENT TREATMENT

Effluent rinse water resulting from the use of FS 10 should be neutralised prior to disposal in accordance with local water authority regulations.

6. SAFETY PRECAUTIONS

FS 10 contains Phosphoric Acid and the precautions normally taken when working with acidic solutions should be observed with this product. Protective clothing such as rubber gloves and goggles should be worn. When working in confined or poorly ventilated environments respiratory equipment should be used. More comprehensive safety details are available on the appropriate DELMET safety data sheet.

PLEASE NOTE

The information contained in this data sheet is given to the best of our knowledge and is based upon practical and laboratory tests. Our technical service department is willing to offer advice on handling, application and process techniques.

We are also able to undertake cleaning, pickling and passivating work either at our Gorgonzola works or on-site.