Green-Bond Fe Elite

Green-Bond Fe Elite is a phosphate-free, acidic liquid concentrate designed to clean and pre-treat ferrous metals. Green-Bond Fe Elite is formulated to effectively clean and prevent flash rusting on steel substrates with its exceptional corrosion inhibiting properties. Green-Bond Fe Elite improves the impact resistance and flexibility of applied paint films and prevents the under rusting of paints if the paint film is scored or chipped.

Green-Bond Fe Elite can also be used as a cleaner and etchant for high pressure/hot water or steam generator systems. Green-Bond Fe Elite should be applied from the bottom-up and side-to-side to prevent surface streaking. It is a single step system and rinsing is not required.

Features/Benefits

- Acidic.
- Phosphate-free.
- Exceptional corrosion resistant properties.
- Effectively cleans and prevents flash rusting on steel substrates in one step.
- Improves impact resistance and flexibility of applied paint films.
- Prevents the under-rusting of paints if the paint film is chipped or scarred.
- Rinsing is not required.
- Economical single step system.
- Liquid material for ease of use.

Operating Conditions

Concentration	1 to 3 % by volume Green-Bond Fe Elite
Temperature	48 to 82 ºC (120 to 180 ºF)
Time	1 to 2 minutes

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Green-Bond Fe Elite

Analysis of Green-Bond Fe Elite – Dropping Bottle Method

Apparatus: 10 mL Graduated Cylinder
250 mL Erlenmeyer Flask
125 mL Dropping Bottle

Reagents: 1 % (w/v) Phenolphthalein Indicator solution
0.1N Sodium Hydroxide (NaOH)

Procedure:

1. Measure a 10 mL sample of Green-Bond Fe Elite solution with a 10 mL graduated cylinder and add to a 250ml Erlenmeyer flask.
2. Add 3 – 5 drops of Phenolphthalein Indicator solution.
3. Add dropwise 0.1N NaOH from a dropping bottle while counting the drops and swirling the solution.
4. Stop adding the drops when the colour changes to pink.
5. Calculation:

   drops of 0.1N NaOH x 0.114 = % by volume Green-Bond Fe Elite

The data and statements contained in this bulletin are based on testing information and are believed to be accurate and reliable. This bulletin is not a Guarantee or Warranty, express or implied regarding the products use. The product is sold on the condition that the purchaser will do their own tests to determine the suitability of the product in a particular application.

READ THE SDS BEFORE USING THIS PRODUCT