

FUERZA FERRO-PRIME

SINGLE COMPONENT SOLVENT ANTI-CORROSIVE RUST CONVERTER EPOXY METAL PRIMER

FUERZA FERRO-PRIME is a **single-component, solvent-based epoxy rust converter and anti-corrosive metal primer** formulated to chemically convert existing rust into a stable, inert protective layer while providing long-term corrosion resistance. It forms a durable, dark protective coating that safeguards corroded ferrous substrates against further oxidation.

The product is suitable for direct application onto **rusted structural steel, pipelines, storage tanks, reinforcing steel (TMT rebars), electrical poles, transmission towers, bridges, marine structures, and other steel components** without requiring extensive surface preparation such as **sand blasting, shot blasting, wire brushing, grinding, or abrasive sanding**. This significantly reduces maintenance time, labor, and associated costs.

FUERZA FERRO-PRIME cures to form a highly adherent epoxy primer, eliminating the need for conventional **red oxide primers** before subsequent coating applications. When applied to corroded reinforcement steel, it provides temporary corrosion protection for approximately **18–24 months** under normal exposure conditions, making it an ideal solution where conventional rust removal is impractical or uneconomical.

FEATURES:

- Can be applied directly onto corroded steel substrates, including rusted structural steel, pipelines, and reinforcing bars, without extensive surface preparation.
- Eliminates the need for conventional rust removal techniques such as abrasive blasting, wire brushing, grinding, and sanding, thereby reducing labor, maintenance time, and overall project costs.
- Functions as both a rust converter and epoxy primer, removing the requirement for a separate red oxide primer prior to the application of protective topcoats.

FILM PROPERTIES:

- Functions as an integrated rust converter and epoxy primer, eliminating the need for a separate red oxide primer prior to the application of protective coating systems.
- When applied to reinforcing steel, no additional anti-corrosive treatment is required before concrete placement, provided the specified coating system has been completed.
- Following the application of two coats, the treated surface provides a stable, well-adhered substrate suitable for the direct application of compatible protective or decorative topcoats without the use of a conventional red oxide primer.
- The cured coating system delivers long-term corrosion protection while enhancing the adhesion and durability of subsequent paint or coating systems applied to ferrous metal substrates.

TECHNICAL INFORMATION

Odor:	Solvent
Color:	Transparent
Density:	1.01-1.05
Flammability:	Flammable

FILM PROPERTIES

Drying time:	30 mins (Touch dry) 2 hrs (Hard dry)
Finish:	Semi-gloss
Coating thickness:	35-50 microns DFT
Adhesion by cross hatch method:	100%
Water resistance:	Excellent
UV resistance:	Excellent
Impact resistance:	More than 5 kg
Temperature resistance:	Upto 80°C

APPLICATIONS:

- Specifically engineered for the rehabilitation and long-term corrosion protection of industrial structural steel, pipelines, storage tanks, and other corroded ferrous substrates where conventional surface preparation methods are impractical or economically unfeasible.
- Recommended for application on rusted structural steel, process pipelines, storage vessels, and other corroded steel components in situations where abrasive blasting, mechanical cleaning, or extensive surface preparation cannot be effectively performed.
- Ideally suited for industrial and infrastructure maintenance applications involving corroded steel substrates where sand blasting, power-tool cleaning, or other conventional surface preparation techniques are restricted by accessibility, operational constraints, or cost considerations.
- Designed for corrosion mitigation of rusted steel structures in industrial, marine, and infrastructure environments where conventional abrasive surface preparation is technically challenging or impractical.

METHOD:

Prior to application, the substrate shall be free from oil, grease, dust, and all bond-inhibiting contaminants to ensure optimum adhesion. FUERZA FERRO-PRIME may be applied uniformly using a brush, roller, or suitable spray equipment in accordance with the specified application procedure.

PACKAGING:

Available in 5 L and 10 L industrial-grade containers, engineered to maintain the physicochemical stability of the formulation throughout its shelf life.

