

DCP FOSUR 74

POWERFUL ACIDIC DERUSTING AND ETCHING AGENT

DCP Fosur 74 is a powerful acidic cleaner designed to remove rust stains, grout and mortar smears, cement haze, efflorescence, and limescale buildup. Furthermore, it also acts as an etching agent, preparing concrete surfaces for coatings, paints, and adhesives by creating an optimal surface profile.

This high-performance, water-based formula blends surfactants, emulsifiers, and phosphoric acid, providing both deep cleaning and strong acidic properties.



Suitable for:

All acid-resistant surfaces

- Oxidation-sensitive metals: including stainless steel, cast iron, titanium, copper
- Ceramics
- Concrete
- Plastics and epoxy resins

Avoid contact with natural stone such as marble and limestone, colored cement, metallic glazed tiles, and aluminum and all other acid-sensitive surfaces in general.

Specifications:

- Classification: H290 (may be corrosive to metals), H314 (causes severe skin burns and eye damage)
- Appearance at 20 °C: Clear liquid
- Odour: Characteristic
- Freezing Point: < -4 °C
- Storage: 0 – 35 °C
- Flammability: Will not ignite readily
- Cloud Point: > 90 °C
- pH at 20 °C: 1.8 (100%)
- Density at 20 °C: 1.05 g/cm³
- Solubility in water: Fully

Effective against:

- Rust and oxidation stains
- Grout smears
- Cement haze
- Mortar residue
- Ground-in dirt
- Limescale buildup
- Hard water stains
- Mineral deposits
- Smog deposits
- Efflorescence



Deep Cleaning

Features powerful cleaning and degreasing properties with a penetrating action to remove all dirt



Industrial strength

Removes rust stains, grout smears, cement haze and limescale buildup from all acid-resistant surfaces



Acid Cleaner

Strong, non-toxic acid cleaner. Free from hydrochloric acid, hydrofluoric acid and nitric acid



Etching agent

Pretreatment of concrete surfaces prior to painting, coating, or applying sealers and adhesives



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Cleaning Technology	Materials and some specific examples	Operating Procedure
Dip and degreasing tanks	<p>Rust removal and deep cleaning of industrial acid-resistant materials and parts; big and small</p> <p>Oxidation-sensitive metals</p> <ul style="list-style-type: none"> • Pipes • Metal plates and sheets • Working tools and equipment 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the dip tank • Mix DCP Fosur 74 with water in the dip tank; always add DCP Fosur 74 to the water • Ensure proper dilution depending on the degree of rust formation or soiling: routine cleaning (10 – 50 mL Fosur 74 / 1 L water), persistent rust/deep cleaning (100 – 250 mL Fosur 74 / 1 L water) • Preheat the solution to 40 – 85 °C • Inspect the soiled item for loose or large deposits which can be removed manually • Pre-wet the soiled item before loading it in the dip tank • Cleaning time varies between 2 – 10 minutes • After completion, remove the cleaned item from the tank and rinse thoroughly with demineralized/distilled water to remove any residual solution • Before applying any paint, coating or adhesive, neutralize the cleaned surface with Biomex HDI and let it dry thoroughly • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
Maintenance and parts washers	<p>General maintenance, rust removal and deep cleaning of industrial acid-resistant materials and parts</p> <p>Oxidation-sensitive metals</p> <ul style="list-style-type: none"> • Industrial metal components • Working tools and equipment • Construction metals 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the parts washer • Follow the instructions of the parts washer to add DCP Fosur 74; always add DCP Fosur 74 to the water • Ensure proper dilution: general maintenance (25 – 50 mL Fosur 74 / 1 L water), persistent rust/deep cleaning (100 – 250 mL Fosur 74 / 1 L water) • Inspect the soiled item for loose or large deposits which can be removed manually • Pre-wet the soiled item before loading in the parts washer • Start the cleaning cycle: the recommended temperature varies between 30 – 40 °C and duration between 2 – 10 minutes • After completion, remove the cleaned item from the parts washer and rinse with demineralized/distilled water to remove any residual solution • Before applying paint, coating or adhesive, neutralize the cleaned surface with Biomex HDI and let it dry thoroughly • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
High- and low-pressure cleaning	<p>Rust or cement residue and efflorescence removal of acid-resistant industrial surfaces, areas, materials and parts</p> <p>Oxidation-sensitive metals</p> <ul style="list-style-type: none"> • Tanks and vessels • Installations and parts <p>Ceramics</p> <ul style="list-style-type: none"> • Tiles and paving • Brick walls and ceilings 	<ul style="list-style-type: none"> • Optimal cleaning is achieved by using demineralized or distilled water • Follow the instruction of the high- and low-pressure cleaning device to add DCP Fosur 74; always add DCP Fosur 74 to the water • Ensure proper dilution: general maintenance (50 – 100 mL DCP Fosur 74 / 1 L water), persistent rust/deep cleaning (100 – 500 mL DCP Fosur 74 / 1 L water) • Recommended operating temperatures range between 20 – 40 °C • Inspect the soiled surface for loose or large deposits which can be removed manually • Pre-wet the soiled surface • Evenly spray the soiled surface with the diluted cleaning solution and let it soak for 2 – 10 minutes • After completion, rinse the surface with demineralized/distilled water • Before applying any paint, coating or adhesive, neutralize the cleaned surface with Biomex HDI and let it dry thoroughly • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
Cleaning machines – floor strippers, etching devices, etc.	<p>Concrete flooring pretreatment: etching and degreasing before applying paint, coating, or adhesives</p>	<ul style="list-style-type: none"> • DCP Fosur 74 can be used undiluted for concrete flooring pretreatment (2 – 4 m² / 1 L DCP Fosur 74) • Follow the instruction of the cleaning machine to add DCP Fosur 74 • Recommended operating temperature range between 20 – 50 °C • Follow the machine specific instructions to perform the pretreatment process • After the pretreatment, remove the solution using a clean mop or wet and dry vacuum cleaner • Before applying any paint, coating or adhesive, neutralize the surface with Biomex HDI and let it dry thoroughly

Wear protective gloves, clothes and eye protection

If uncertain about material compatibility, test DCP Fosur 74 first on a small hidden area

