



CORROSHIELD 123 EPOXY TOP COAT

High-Build Epoxy Paint

Uses

Corroshield 123 / Epoxy Top Coat is a high-build, modified two-component epoxy top coat, which cures coating with good resistance to water, splashes of mineral oils, aliphatic hydrocarbons, and abrasion and impact. Limited resistance to aromatic and stronger solvents and to acids and oxidizing materials.

Corroshield 123 / Epoxy Top Coat is a steel coating with no maximum recoating interval in EPOXY/POLYURETHANE systems.

Excellent on both Prepared and Primed concrete or steel surfaces.



UV Resistant



Chemical Resistant



Water Resistant



Heavy Duty

Environment & Health

Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheet for the individual components.

Packaging

The product is supplied in full units as a 2-component pack.

Corroshield 123 / Epoxy Top Coat Part A	20 Kg
Corroshield 123 / Epoxy Top Coat Part B	4 Kg
Ratio	5:1

Curing Times

Dry to touch	3-4 hour
Hard dry	7 hours
Full curing	7 days
Recoat interval, Min	8 hours
Recoat interval, Max	14 days, See Remarks

Additional Information

Colours	Grey AS 2700
Finish	Semi-Gloss
Solid Content (by Volume)-%	75±5
Theoretical spreading rate	80 m2 / one kit
Flashpoint	28°C/83°F
Specific gravity	1.360 kg/lit
V.O.C.	Max. 280gr/lit
Shelf life	1 Year (25°C / 77°F) from the time of production. Depending on storage conditions, mechanical stirring may be necessary before use.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitance, dust, and other contamination. The substrate should be dry to 75% RH as per ASTM F2170 (AS1884:2012).



Low Maintenance



Wear Resistant



Easy Application



High Durability

Surface Preparation

The surface should ideally be grinded, or sand blasted. Concrete etching is an altered way to prepare the concrete wall. The surface must be completely clean and dry prior to application and its temperature must be at least 3°C above the dew point to avoid condensation.

The surface should be stable, firm, dry and free of dust, sand, loose old top coat, dirt, grease and oil.

Mixing

Stir Base A to re-disperse any settlement. Decant the required amount of Base A into a clean container by weight using digital scales. Add Hardener B to the Base A container and drain thoroughly. Mix with a slow-speed drill and helical spinner head for 60 seconds, taking care not to entrain air. Mix until uniform.

Application Method

Method	Airless sprays	Brush (touch-up)
Thinner (max. vol.)	EX-T-1 (10-30%)	Ex-T-1 (5%)
Pump ratio minimum	40:1	
Tip size	0.021"–0.019"	
Tip pressure	150 bar/2100 Psi	
Cleaning of tools	EX-T-1	
Indicated film thickness, dry	75 microns	
Indicated film thickness, wet	100 microns	

Conditions: Do not apply when relative humidity exceeds 80% or when the surface to be coated is less than 3°C above the dew point.

Storage

Time	12 Months in Unopened Packs.
Temperature	Storage temperature between 5°C and 35°C.
Protection	Should be stored inside and protected from frost, weather, moisture, direct sunlight and contamination ingress.

Remarks

Preceding Coat	Epoxy top coats such as PRIMIT or RICHPOXZ.
Subsequent Coat	Epoxy and polyurethane top coat such as POLYURIT or CINDOPOX.

A completely clean surface is mandatory to ensure inter-coat adhesion, especially at long recoating intervals. Any dirt, oil, and grease have to be removed, e.g., with suitable detergent.

Salts should be removed by freshwater hosing. To check the adequate quality of the surface cleaning a test patch is recommended before actual recoating.

Film Thickness

May be specified in another film thickness than indicated depending on purpose and area of use.

This will alter the spreading rate and may influence drying time and recoating intervals. The normal range is 50-125 microns/ 2-5 mils.

Recoating and drying/curing time

Recoating intervals related to later conditions of temperature:

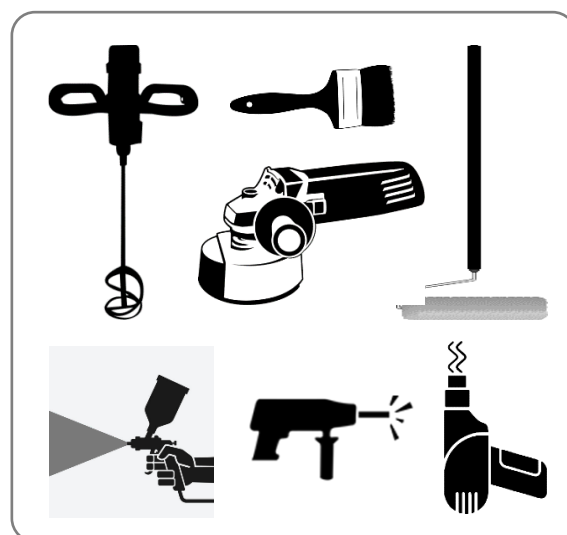
Temperature	Time (Hours)
25°C	8-72
20°C	12-96
15°C	24-96

Safety

Handle with care. Before and during use, observe all safety labels on packaging and top coat containers, consult Chemstuk material safety data sheets and follow all local and national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance. Avoid inhalations of possible solvent vapors or top coat mist, as well as top coat contact with skin and eyes. Apply only on well-ventilated areas and ensure that adequate forced ventilation exists when applying top coat in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

Application Equipment

The use of correct application equipment is critical as incorrect application tools can result in poor finishing and incorrect material consumption. Always test the application equipment prior to commencing work. The following equipment is recommended for this application.



DISCLAIMER

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