

The preferred abrasion resistant corrosion protection system for steel water construction

COROPUR Non Abrasiv (LS)

COROPUR Non Abrasiv is a single-component, moisture-hardening coating system that can be applied by rolling, brushing or spraying. The moisture insensitivity of **COROPUR Non Abrasiv** enables it to be processed under extreme weather conditions.

Application areas

COROPUR Non Abrasiv has been specially developed for applications in steel water construction in accordance with DIN EN ISO 12944-5. Especially suited for the use in the corrosivity categories Im 1 (freshwater), Im 2 (seawater or brackish water) and Im 3 (soil).

The German Federal Institute for Water Construction (BAW) has classified this corrosion protection system as suitable for "Use under strong mechanical loads". We recommend the lightstable version **COROPUR Non Abrasiv LS** for outdoor applications.



Lock gate



Rheinfelden Bridge

Typical fields of use

- Pressure pipelines
- Locks
- Turbine housings
- Steel constructions in water exchange zones, e.g. sheet-pile walls, bridge supports, etc.

Advantages

- Quick, simple processing
- Thick layers built-up in a single application
- Excellent abrasion resistance
- Long-term corrosion protection
- Excellent elasticity and high surface hardness
- Repair-friendly

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Product properties

Product characteristics	<ul style="list-style-type: none"> • Single-component, moisture hardening polyurethane coating system
Processing	<ul style="list-style-type: none"> • Air and airless spraying, brushing or rolling
Processing conditions	<ul style="list-style-type: none"> • Relative humidity 30 - 98 % • Temperature from -5° C (ice free) to +50° C
Storage stability	<ul style="list-style-type: none"> • 6 months in unopened containers
Temperature resistance	<ul style="list-style-type: none"> • + 140° C (dry)

System build-up

Layer thickness	150 - 400µm possible in a single working step	
Primer coat	Metallic surfaces	COROPUR Zinc M COROPUR PI COROPUR Insulating Primer
	Mineral substrates	COROPUR Fix
Typical layer structure (DIN EN ISO 12 944-5, Im1, Im2, Im3)	COROPUR Non Abrasiv	1 x 80µm COROPUR Zinc M 2 x 250µm COROPUR Non Abrasiv
	COROPUR Non Abrasiv LS	1 x 80µm COROPUR Zinc M 1 x 250µm COROPUR Non Abrasiv 1 x 250µm COROPUR Non Abrasiv LS
Available container sizes	COROPUR Non Abrasiv + Activator A-1949	10 kg container 1 kg container
	COROPUR Non Abrasiv LS + Activator A-1949	10 kg container 1 kg container

Standard color options available.

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