

Rust remover, cleaning and etching agent

Description

NIROVER RUST cleaning agent is a combination of acid-based material, corrosion inhibitors and dispersing agents and is supplied as liquid form

Uses

To eliminate the harmful rust from the steel reinforcement and to enable application of an appropriate protective primer while repairing corrosion damaged concrete.

Advantages

- ✓ Works even in wet conditions
- ✓ No corrosive action.
- ✓ Improves bond strength with reinforcement protection primers
- ✓ Reduces the time and labour required for mechanical cleaning
- ✓ Easy to use in less accessible situations
- ✓ Safe with metals (except zinc and galvanized steel), wood, glass, plastic and rubber.

Characteristics

Form	: Liquid
Specific gravity	: 1.18 + 0.02 @ 25°C
Drying time	: 20 minutes
Over coating time	: 18 hours

Application instructions

Surface Preparation

Remove dirt and contaminants on steel using detergent and water, wet sand blasting or wire brushing depending upon the rusted surfaces.

For rusted metal (iron base)

Apply NIROVER RUST with brush for complete wetting of rusted metal surface and allowed to react it for 16-24 hours. After 24 hours, a white layer will appear which will protect further corrosion of metal / steel for about 5-7 days. Before applying protective coating, the surface should be wire brushed and thoroughly cleaned for dust with dry cloth.

Removal of rust and mill scale

Pre-wet the floors, then using a stiff bristle broom, brush the affected areas with a solution of NIROVER RUST cleaning agent and water.

Strength of the solution required will vary but should be between 1:1 and 1:4 (NIROVER RUST cleaning agent to water).

When the action has finished, surface should be wash thoroughly with clean water. Use wire brush again to remove remaining loose material and finish by thoroughly washing down with clean water. Repeat if necessary. High degree of rust or scale can be removed by soaking in the NIROVER RUST cleaning agent solution for 60 minutes.

Coverage

Approx. 6 - 10 m²/L

Note: coverage depends on the rusted area and the depth of deposition.

Packaging

NIROVER RUST cleaning agent is available in 1, 5 and 20 L containers.

Technical support

NIRMAN CHEMICALS provides technical advisory services for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

For specific storage advice consult our local NIRMAN CHEMICALS representative.

Safety precautions

NIROVER RUST should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation.

Some people are sensitive to resins and solvents. Resin Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin removing cream followed by washing with soap and water - do not use solvent. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

NIROVER RUST is water based and non-flammable.

Cleaning of Tools

Clean all tools and application equipment with water immediately.

Note

All Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility, for additional information contact our local NIRMAN CHEMICALS representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control.



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