

The unique product Isotrol paint systems have been developed to meet increasingly more complex market demands. These are longer lasting protection, simpler and faster applications, higher sustainability and lower long-term maintenance cost ...

GETTING IT THE RIGHT: GET A COST EFFECTIVE

PROTECTION !

THREE DIFFERENT ISOTROL SYSTEMS FROM THE MAINTENANCE SPECIALIST INTROTEKNIK

ISOTROL ALKYD SYSTEM



A general and very cost-effective alkyd system for maintenance of steel and metal sheets. Ideally for complex constructions like riveted bridges, cranes with lots of crevices.

ISOTROL HYBRID SYSTEM



It combines the best of two. Combining highly penetrating primer with durable 2-component topcoats. Ideally for surfaces subjected to chemicals or highly corrosive environments.

ISOTROL RELEST



Special coatings for corrosion protection in combination with heavy duty as mechanical impacts and abrasive wear.

This flexible and thick topcoat cures in less than 20 seconds and can be fully loaded after 14 hours. Highly resistant against impact, chemical and mechanical wear.

Sandblasting before painting is not necessary before applying Isotrol paint systems!

Fast application up to 10 mm thickness!

RECOMMENDED PRETREATMENT FOR ISOTROL SYSTEMS:

Recommended pretreatment:

water blasting up to 700 bars pressure, Wa2 according ISO8501-4

Smaller areas to be repainted:

Manual remove all loose paint and rust to a cleanliness degree of St2 according to ISO 8501-1, followed by high pressure cleaning.

Typical applications are:

- Mining
- Railways

ISOTROL RELEST

A unique system for the combination heavy duty and corrosivity

Very resistant against impacts, chemical and abrasive wear. Single application of coats up to 10 mm thickness with less than 20 seconds curing enables maintenance during short production stops.



Flotation tanks

Reduction of noise from railway waggons

Conversion of rubber linings into a wear and corrosion resistant RELEST coating

1. Removal of old lining.
2. Sandblasting to Sa2½.
3. Application of 3 mm RELEST basecoat directly followed by ...
Application of 5-7 mm RELEST topcoat.
Thickness is selected depending on abrasive wear and maintenance intervals.
4. Ready after 14 hours to continuous service up to 10 years.

Extreme abrasive wear will be detected by visible red basecoat before total breakdown of the protection.

Ask for complete instructions before initiating a maintenance project.

Maintenance of RELEST coatings

1. Rust spots: High Pressure water-blasting up to 700 bars pressure. An alternative cleaning is manual cleaning with steel brush.
Areas with red RELEST Base visible:
High pressure cleaning.
2. Application of RELEST topcoat. Thickness depending on local abrasive wear.

Optional is an application of RELEST base coat before RELEST topcoat in case of large rusty areas. Ask for complete instructions before initiating a maintenance project.

PRIMER

ISOTROL PRIMER is a highly wetting surface tolerant oil alkyd. It is used only on rusty non-sandblasted steel surface.

TOPCOAT

RELEST M689 Grey is a solvent free 2-comp polyurethane with extreme fast curing. Can be applied in extremely thick coatings, up to 10 mm if necessary. The flexibility of the paint means it is highly impact resistant and work as a shock absorber. It can be applied directly after application of Base Coat.

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BASE COAT

RELEST M689 Red is a solvent free 2-comp polyurethane with extreme fast curing. Can be applied in extremely thick coatings, up to 10 mm if necessary.

Apply on sandblasted steel or ISOTROL PRIMER

RELEST was originally developed by BASF for heavy duty transports on the German railways.

RELEST is approved for salt carriage, stone grit etc. Refences can be provided on request.

RELEST can replace rubber lining in flotation tanks in the mining industry. Due to an extreme fast curing, maintenance can be in service already after 14 hours. Refences can be provided on request.

Application techniques of RELEST

Required application technique:

Two-component hot spray

Mechanical damages repair:

Manual application with two-component RELEST putty

CONTACT

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