

Interplus 4102 Odin Gel (GMA412)

Rust Remover/Cleaner

Apr 2022

Product description

- Single component
- Water based rust remover/cleaner gel
- 100% biological degradable and free from toxins
- Used as an alternative to traditional sandblasting, ultra-high pressure water blasting or power tool methods where these have been ruled out for operational, health and safety or environment reasons.

Area of Use

- Light to medium rust deposits from various surfaces
- Remove rust stains in coated areas
- As alternative to sandblasting, UHP water blasting or power tools
- Effective for removal of corrosion on stainless steel structures and aluminum

Practical Information

- Colour: Red
- Typical thickness: 400 – 500 µm WFT
- Theoretical coverage: 2m² when applying 500 µm
- Method for application: Airless spray, brush, roller
- No mixing is required
- Pack size: 25LT
- Storage: shelf life 12 months at 20°C

Surface Preparation

- Remove loose rust deposits/paint and oil/grease prior to application
- Recommended working temperature is 8 - 37°C

About Interplus 4102 Odin Gel

Suitable for removal of calcium, magnetite, oxidization (rust), humus, salt, lime and other deposits

100% biodegradable and free of toxins; suitable for use in drinking water systems; pH <2

Classified as class yellow under HOCNF regulations (Harmonized Offshore Chemical Notification Format)

Alternative to sandblasting



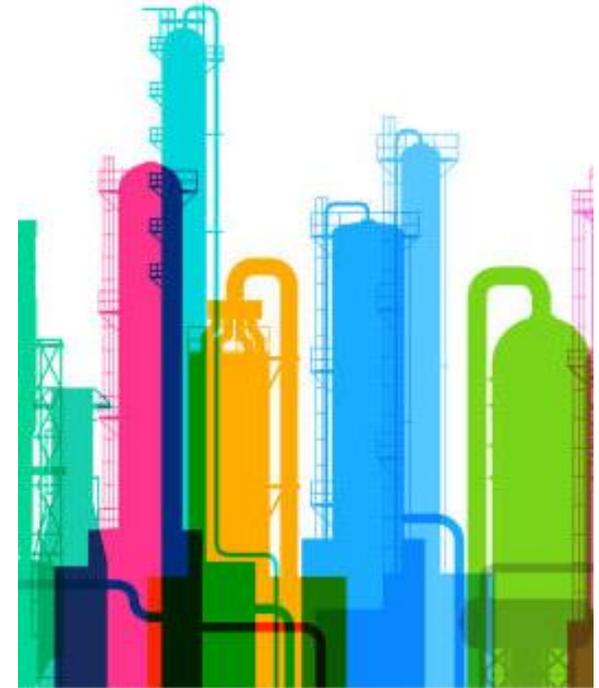
Benefits

- Easy application by normal High Pressure paint pump
- To be removed by Normal High Pressure water pump 3-500 bar (43 psi 7250 psi) for best result or hose down
- Easier to use equipment then blasting
 - Cable Tray
 - Complex structure with existing equipment installed
- Preservation for stainless steel
- Less noise
- Less vibration
- Less use off needle gun
- Less use of 3M grinding
- Less limitations of working hours
- Saves man-hours
- Saves money
- Saves time
- Both environmentally friendly and highly effective
- Well suited for use in drinking water systems
- A 100% biological degradable product with no toxins



Range of applications

- Any surface / pipework attacked by rust, algae, moss, magnetite, humus, calcium, yard dirt and other deposits (not galvanized surface).
- Boilers
- Heating batteries
- Central heating plant
- Under floor heating equipment (allows up to 50% heating cost saving per night)
- Batteries/cooling equipment
- District heating plants
- Moulds
- Processing machinery
- Capacitors / cooling towers
- Radiators
- Convectors
- Evaporators
- Cooling equipment
- Washing for most facades
- All types of vacuum installations.
- Ventilation batteries
- Heat exchangers



Where should apply

- Carbon steel
- Painted surface
- Plastic
- Aluminum
- Rubber
- Gasket etc
- **Stainless steel (Alternative to traditional acid washing/cleaning)**



Where should NOT apply

- Zinc coat
- Galvanized surface
- Metalized surface with zinc
- Surface with Zincethylsilicate
- Anti fouling
- Pure Epoxy System



Equipment Required – Trial



Brush & Roller



**Pressure sprayer bottle
(when no water supply on site)**



**Interplus 4102
(Repacking to 1L bottle
for easier bring on site)**

How long must the gel stay on surface to remove staining.

- Light / Medium rust staining - will need approximately 24hrs
- Severe corrosion their treatment may need to be repeated and or other method to be consider.



Light rust stain



Medium rust stain (Before)



Medium rust stain (After)



Severe rust stain (Before)



Severe rust stain (After)

Acid Base vs Water Base

	Can be discharge into drain/sea	Biodegradable	Health hazard	Can be used in drinking water	Damage adjacent coating
Interplus 4102 Odin Gel Water base rust removal	✓	✓	✓	✓	✓
Brand X Acid base rust removal	✗	✗	✗	✗	✗

Application Examples

Refinery Tank External

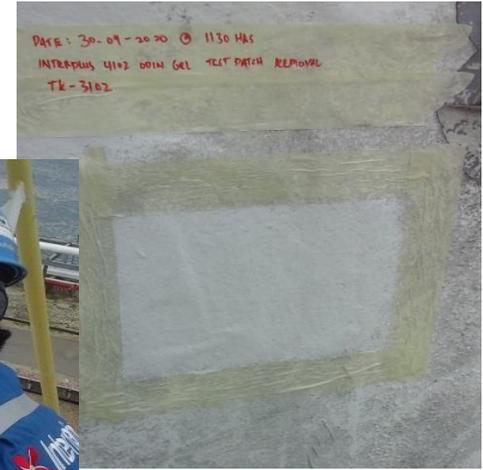
AkzoNobel



Before



During



After

Application Examples

Stainless Steel

AkzoNobel



Before

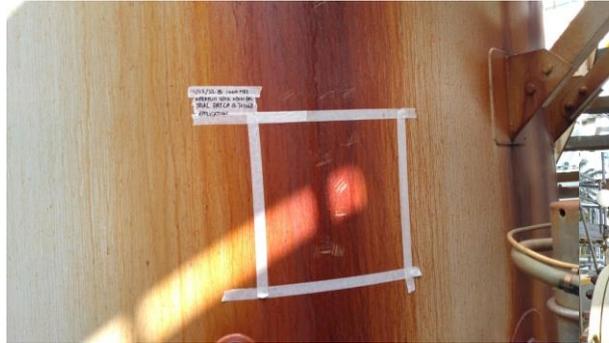


After

Application Examples

Refinery Tank External

AkzoNobel



Before



During



After

Application Examples

Life Boat Davit

AkzoNobel

Ref. No: OFPC026/R/B19

Project:
HEEREMA SLEIPNIR –
(LIFE BOAT DAVITS NO. 7,
8 & 9)

Focus Products:
Interplus 4102 Odin Gel

Location:
80 Tuas Boulevard,
Singapore 637051

Customer:
Sembcorp



Before



After

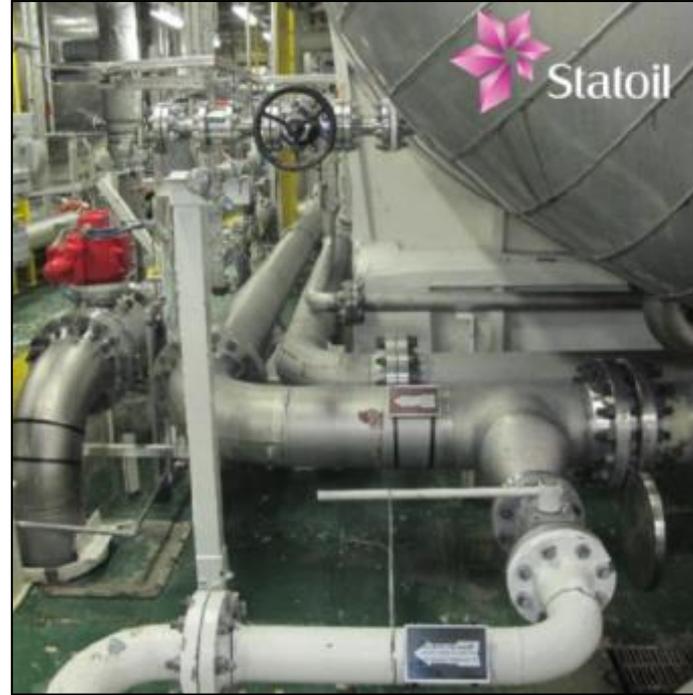
Application Examples

Tanks and Surfaces

AkzoNobel



Before



After

 International.

Application Examples

Deck Cleaning

AkzoNobel



Before



After

 AkzoNobel International

Application Examples

Removal of Corrosion

AkzoNobel



Before



After

 **International.**

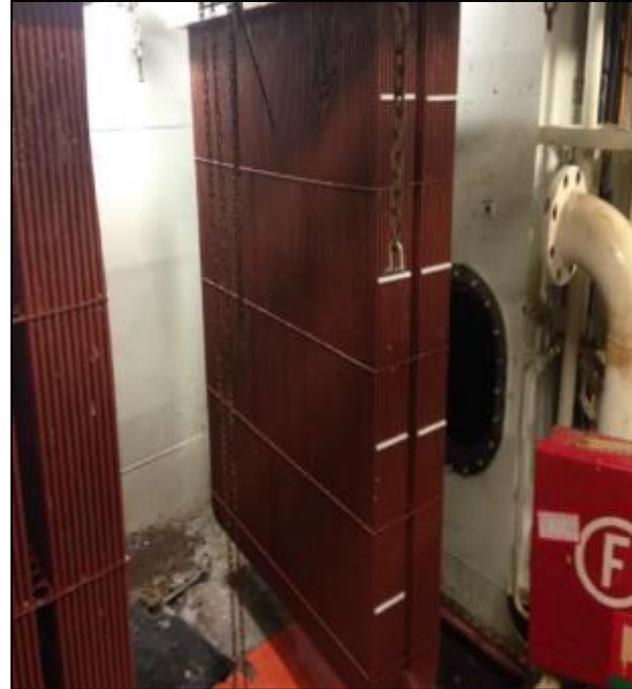
Application Examples

Box Cooler

AkzoNobel



Before



After

Application Examples

Deck Area applied with glass flake paint

AkzoNobel



Before



During



After

THANK YOU