

Eco-friendly Stripper Water-based, non-hazardous, non-chlorine, high clay type

Repair Solve® S

Wet peeling method

Japanese government MLIT office
New system technology provisions
(NETIS) Registered items

Patent pending

Lead or Asbestos-containing paint, etc.
Solution to the old old peeling method

Repair Solve® S

- Feature 1 Strong, Eco-friendly peeling
- F. 2 Extremely low odor
- F. 3 Non-dangerous goods
- F. 4 Economical
- F. 5 No dripping High viscosity

Typical peeling methods of old coating film (lead or asbestos containing coating film etc.),

1. Blasting · electric tool construction method · · coating film scattering, enormous time and labor cost, noise
2. Chlorine peeling method · · · strict regulations and numerous health concerns for employees.
3. Other peeling method · · · Flammable, dangerous, smelly, costly and non-eco-friendly for surrounding communities.

In order to solve these problems, Repair Solve developed a safer and more reliable release agent for use in Steel Structures and Buildings.

■ Caution

(1) How to use

- 1) Fire is strictly prohibited at work place.
- 2) Wear protective gloves and glasses when working to protect skin and the body.
- 3) Work very carefully so that the liquid does not touch the skin directly.
- 4) Work in well ventilated area that Provides sufficient ventilation.
- 5) Wash hands carefully after handling.
- 6) Wash the appliances with water or solvent before drying.

(2) First aid measures

- 1) If you begin to feel nauseous after inhaling you should move to an area with fresh air. Please follow up with Dr. if symptoms persist.
- 2) If contact is made with skin, immediately rinse thoroughly with water. Please see a Doctor if there is skin burning or pain
- 3) If contact is made with the eyes, you should flush out your eyes with water numerous times. If symptoms don't improve please see your Doctor.
- 4) If swallowed, do not breath heavy, drink lots of water and see your Doctor.

(3) Storage method

- 1) Avoid storing in hot places. Keep in cool, well-ventilated place.
- 2) Close the lid securely and keep it out of reach of children.

(4) Waste liquid treatment

- 1) Contact a qualified chemical disposal company to dispose of the peeled film agent and wastewater.

製造元



SANKYO CHEMICAL
三協化学株式会社

<http://www.sankyo-chem.com/>

本社/愛知県名古屋市中区白壁四丁目68番地
TEL:052-931-3111 FAX:052-931-0976
東京事業所/東京都千代田区鍛冶町1-10-1丸石ビル別館5階
TEL:03-5289-4777 FAX:03-5289-9088

販売代理店



Special features of Repair Solve method

Repair sorb is a water-based release agent. Because it has high biodegradability, it contributes to creating a safe working environment with less impact on workers and the environment.

In addition, compared with conventional chlorine type release agents, it has high permeability to multilayer coating film, and it can peel off multiple coating films at once. Peeling with repair sorb peels off the coating film like a wet sheet, so the coating film does not scatter at the time of peeling and recovery of the coating film is easy.

F.1 Environment-friendly peeling F.2 Extremely low odor F.3 Non-dangerous goods

F.1 Even though it is dichloromethane-free, it is effective for every paint and it can be peeled off strongly.
 F.2 Because there is low odor, workers friendly and can work with consideration for the surrounding environment.
 F.3 Because of non-dangerous goods under the JP Law, it's nonflammable preventing fires caused by fire and static electricity.

F.4 Excellent in economy F.5 High viscosity non dripping liquid

F.4 Compared to the typical blasting method etc., it is easy to take measures against scattering of paint ducts containing harmful substances such as lead and asbestos resulting in potential reduction in labor costs and secondary equipment costs.

F.5 Because of its viscosity, it will not drip. It is suitable for brush coating and spray blowing, so you can work safely. No peeling gas will be scattered.

Penetration and properties

Peeling of Buildings, Bridges, Pools and painted wood. Removal of asbestos based coating film & lead based coating film



Repair Solve S

System: water non-hazardous materials, non-chlorine type, high viscosity type
 Color phase : milky white
 Flammability : None
 Odor : Extremely low odor
 Liquid property: weakly acidic

Packing: 4 kg (can), 16 kg (can), 200 kg (drum)

Standard peeling time

You will be able to Phthalic acid-based paints and chlorinated rubber-based paints become wet sheet state (peel able state) in about 5 to 8 hours from application, while heavy anticorrosive paints (epoxy type, urethane type, fluorine type) are peeled off in about 18 to 24 hours.

Standard coating amount: 0.7 to 1.0 kg / m² (per application)
 Maximum coating thickness: 500μm (maximum coating thickness per one time)



3hr <Peeling>

Lacquer, acrylic lacquer paint

18~24hr
 <Peeling> Heavy anticorrosion paint (epoxy, urethane, fluorine)

12~18hr
 <Peeling> Melamine resin paint, Organic zinc rich paint, Lead B. rust preventive

5~8hr
 <Peeling> Phthalic acid, chlorinated rubber type paint
 ※ Please test the aptitude condition / time at the site beforehand.
 ※ Condition varies depending on the condition of coating film and temperature.
 ※ The photograph was taken of a preliminary test to the phthalic acid type paint used for painting iron gate.

Comparative method

Demerit of con/ methods

Blast, Power tool method

- Machined produce noise pollution.
- The scraped coating film may scatter.
- Recovery rate of film is low.
- High industrial waste disposal cost.

Chlorine type release agent method

- It is highly toxic. (Carcinogenicity)
- It is highly volatile and strong.
- The film cannot be peeled off at once.

Resolving the traditional problem

Repair Solve method

- No Noise, just agent application.
- peeled off wetted sheet, film does not scatter.
- Recover is easy due to wet sheet peeling.
- The coating recovery rate is high and the industrial waste cost is low.

Repair solve method

- Low toxicity and high biodegradability.
- Low odor, Eco- friendly
- Multilayer film can be peeled off at once.

※ Since repair solve peeling method has no effect on rusted place, it is necessary to use electric tool etc.

Coating method

1. Before using, shake the can lightly and stir.
 2. Please apply the release agent uniformly with reference to the standard coating amount using a brush, a roller, or spray gun.
 3. Depending on the type of coating and the material, the application time will vary.
 4. When the coating film softens and rises, scrape it off with a scraper or a spatula.
 5. If it cannot be removed by one operation (when the film thickness is thick), repeat the process.
 6. After removal, please wipe off with paper soaked with water or solvent etc. (our product: Etakol7).
- ※ Please Read Carefully Safety Date Sheet (SDS) for Precautionary Instructions before Use.

Application



Remove mud, moss, bird dropping etc. from the coated surface. A clean surface is essential for the release agent to penetrate.



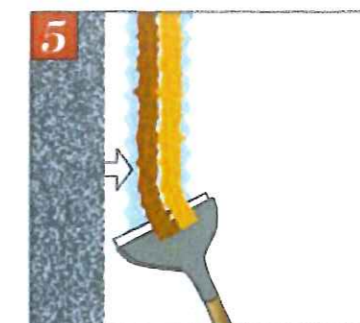
Apply a coating using a spray gun, roller or a brush.



Determine the time to let the release agent to gradually penetrate into the coating film.



Chemical reaction causes the coating to rise



When peeled off with a scraper, it can often come off in a long sheet.



Wipe away the leftover residue with water and a light detergent.