



Jelly-like agent for cleaning articles from powder paint

Materials supplier: MENDELEEV LTD.

Applied compositions: Powder Paint Remover No.133 P.

Date of operation: December, 2011.

Air temperature: from 18°C.

Relative air humidity: 84%.

An enterprise having a metal articles powder painting line faced with an intractable task. A large batch of steel pop-rivets was discarded. In a short period of time a quality removal of the powder epoxy-polyether coating had to be executed. This paint and varnish coating is destroyed in both in liquid agents – Powder Paint Remover No. 860 – by dipping, and in jelly-like ones – Powder Paint Remover No.133 P – by applying with a brush (this composition is more practically applied to large-size items). There is, however, an alternative: Method of dipping the parts painted with a powder paint into the jelly-like composition Powder Paint Remover No.133 P. The result exceeded all expectations.

Pic.1 – Pop-rivets painted with a powder paint

In Pic.1 steel rivets painted with powder epoxy-polyether (hybrid) paint are shown. The rivets are designed for undetachable junction of metallic articles.

Pic.2 – Metallic fastening elements in the powder paint removing composition

Steel pop-rivets painted with powder paint dipped into the jelly-like Powder Paint Remover No.133 P. The agent is designed for cold chemical removal of all types of powder coatings (epoxy, polyether, polyurethane, epoxy-polyether, polyacrylate etc.) It removes both thermoreactive and thermoplastic powder paints and varnishes. Powder Paint Remover No.133 P is corrosion nonreactive, does not contain acids and alkalis, therefore the item's dimensions will not change.

Pic.3 – Powder coating after 30 minutes exposure in Powder Paint Remover No.133 P

Powder Paint Remover No.133 P softened the paint layer. Exposure time was 30 minutes. Please note that this agent is most appropriate for powder coating removal from large-size articles. In this case Powder Paint Remover No.133 P is applied with a brush, a roller or a hand pulverizer (for flower spraying).

Pic.4 – The softened powder paint layer is removed by pulling off

In Pic.4 one can see that the powder layer film can be easily removed mechanically. It is more convenient to flush the disrupted layer with a radial water jet (using Karcher-type high-pressure cleaner).

Pic.5 – Paint coating is easily removed with a high-pressure washer

A steel pop-rivet cleaned from powder paint. Please note that after paint removal metallic articles must be degreased, otherwise defects while paint coating may occur.

Pic.6 – Steel fastening elements cleaned from paint

It is more convenient to clean fastening elements by dipping. Take a specialized technical inhibitory detergent for preparation of metallic surfaces for painting FAS-104.

Pic.7 – To degrease pop-rivets use a specialized technical inhibitory detergent for preparation of metallic surfaces for painting FAS-104

Preparation of a working solution is made gradually admixing warm water (30°C) to FAS-104 concentrate and stirring up continually. The agent is deluted with water at ratio of 1:50 to 1:100. FAS-104 possesses a number of advantages in comparison with widely used degreasing organic solvents:

Comparative characteristics of organic solvents and technical inhibitory detergent for preparation of steel surfaces for painting – FAS-104.



ООО «Менделеев»

Разработка и производство реставрационных и лакокрасочных материалов

Адрес: 191040, Санкт-Петербург, Лиговский проспект, д. 50 корп. 17, вход №2, домофон «1»

Телефоны: (812) 327-44-24, 327-44-25, 327-44-27

E-mail: mendeleev@dmendeleev.com

Часы работы: пн-пт 10:00-18:00, обед 14:00-15:00

Сайт: www.dmendeleev.com

No.	Title	Solvents No.646, white spirit, acetone	FAS-104
1	Inflammable and ignitable liquids	yes	no
2	Fire hazard	high	no
3	Dilution	no	1:50 to 1:100
4	Volatility	high	like water
5	Price per 1l, RUR, minimum	30	5
6	Inhibitory action	no	yes
7	Toxicity	yes	no
8	Mucous membranes irritation (nose, throat)	yes	no
9	Agent multiple usage	no	yes

Pic.8 – Concentrate FAS-104 for preparation of metallic items for painting

Pic.9 – Pop-rivets before and after Powder Paint Remover No.133 P application

Subsequent painting of pop-rivets is executed after the metallic surface dries out completely.

Pic.10 – Pop-rivets repainted with powder paint in different colors according to RAL

Metallic items after old powder coating removal, degreased with FAS-104 and repainted according to RAL color chart.

- body
- remover
- antikras-p
- anteks-2
- bosni
- dezoksil-1
- inhibitor of corrosion
- powder painting line
- iron and non-ferrous metals degreasing agent
- degrease metal after mechanical treatment
- powder painting equipment
- painting metal articles with powder polymer paints
- rainiger
- white spirit
- feil-2
- feil-3
- foral
- phosphatizing
- chromatizing
- ekolan-1