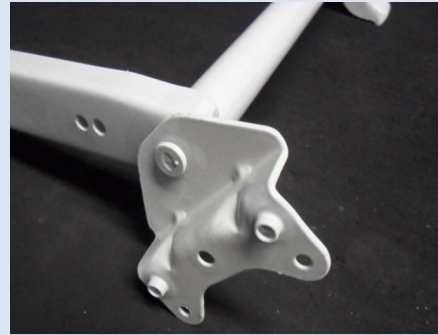


RECAPTON® 15

Devarnisher for steel and Alumina



Description

For removal of

- Powdered varnishes
- Water based laqueurs
- Acrylic varnishes
- Sol/Gel-laqueurs
- Fotoresists/Resins

substrates

- steel
- Titanium
- Polymers like PP, PS, PE
- Alumina

description

RECAPTON® 15 is a liquid product for devarnishing steel and other surfaces with Powdered -, waterbased and acrylic varnishes resp. Fotoresists which are removed completely and smoothly.

This product is composed of aqueous alkaline solution with swelling agents and emulgators. RECAPTON® 15 is at the same time suitable for diving and (preferably) spray processes. The delaquered surfaces are easy to rinse and protected against corrosion temporarily (steel).

Treatment operation with RECAPTON® 15 is operable very easily, the solution is extremely stable; any steam arising does not contain odour relevant components and can be expelled by simple exhausting systems without any treatment afterwards outside. RECAPTON® 15 provides enormous capacity and can be used for several batches before replacing or resharpening.

The liquid concentrate is to be mixed with plain water and to be heated up to 40-80°C. Then solution is ready for use. The average operation time as required is between 0,5 and 3 hours depending of thickness and kind of varnish.

RECAPTON® 15 is available in 30 l cans and 200 l drums.

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Description



characteristics

The special feature of this simple devarnishing process are the perfect surfaces after treatment, the incomparably simple handling and the enormous capacity which make this kind of devarnishing most cost efficient. This process is most suitable to be applied in spraying systems!

The coatings are removed in the manner not building coherent "skins" but dissolved as fine-grained suspensions which are collected at bottom resp which can be removed successive by filtering system permanent out of solution. This feature ease a following rinsing process predominantly.

Capacities/costs

RECAPTON® 15 provides a high performance in capacity and for this a long termed using period. So one can exercise 5-10 batches per filling.

For example the loading capacity of a spraying system with a 250l RECAPTON® 15 filling and a load of 100kg per batch.

	load (kg)	costs p. kg (€)
250 l RECAPTON® 15 / 5 batches	500	0,50
250 l RECAPTON® 15 / 10 batches	1.000	0,25

Bath set up

Fill RECAPTON® 15 undiluted (Alumina) resp diluted by same quantity of plane water to filling level as required, then adjust bath temperature to 40-80°C according to substrate; now bath is ready to use.

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devarnishing

put in fixtures like hooks, baskets or other parts already cleaned off from oil and fats into preheated solution (diving process) or into turn table (spray system); keep an eye on small losses by evaporation which have to be refilled just by adding further RECAPTON® 15.

After successful devarnishing take out parts, rinse with plane water, preferably by spray rinsing, and dry with hot air (80-120°C).

To minimize evaporation (up to 70%) covering the bath with polymer balls is to be recommended in case of diving process. Suitable balls are available also by us abo slut decoating technology C.P.Thöne.

Duration of devarnishing process

Related to a 20µm coating and under optimal technical/mechanical conditions the duration does not take longer than 0,5 – 3h depending of kind of laqueuer.

The duration, however, can be lowered by using a bath temperature of max. 95°C. The life shell of bath, however, can be effected.

Working safety

Devarnishing with RECAPTON® 15 allows one a safe working with always reproducible results when executing process in suitable and according manner.

RECAPTON® 15 , however, should not get in contact with acids or acidic components as they can cause droppings which reduce the activity of bath extremely and which also can cause probably severe corrosion of parts deposited in bath.

According to Government's rules heated bathes for surface treatments should bnot be run without any kind of exhausting systems. This rules also using RECAPTON® 15.

For all works with RECAPTON® 15 suitable protection clothes like glasse, gloves and skirts are to be weared

Environmentals

Wasted solutions are tob e environmentally treated as alkaline solutions containing organic residues (laqueurs) according to valid Government's rules.