

Instructions for use of INARCO[®] - high concentrates

1. Preparation of the cleaning solution:

The INARCO[®] products are supplied as high concentrates (water-free) → **small storage area, high storage stability.**
 For use, the products are mixed (depending on the application) e.g. 1:3 with water:

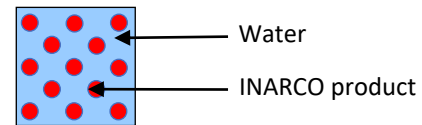


INARCO product
high concentrate



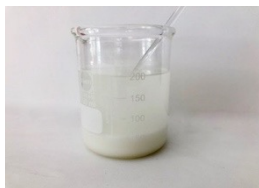
INARCO product
diluted 1:3 in water,
stirred

Schematic:



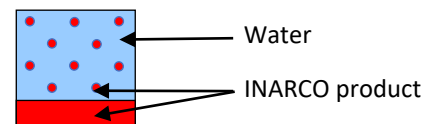
2. Settling behavior of the cleaning solution:

Depending on the mixing ratio and INARCO[®] product, phase separation occurs after a few minutes in the resting state and the cleaning solution partially segregates:



INARCO product 1:3 in water after
5-10 min standing time

Schematic:

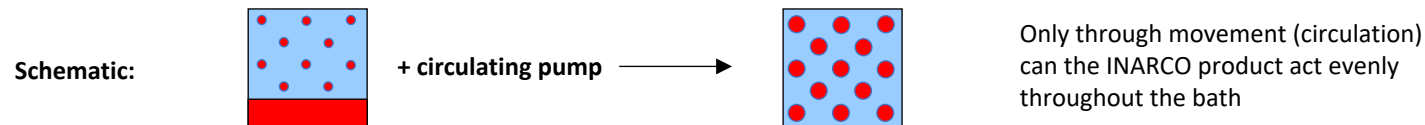


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3. Cleaning process:

Use in immersion bath:

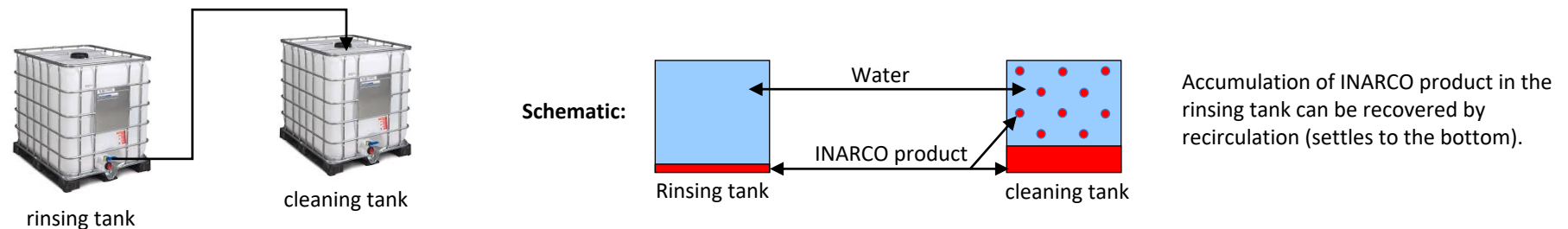
To ensure an optimal cleaning result, it is necessary to guarantee the "homogeneity" of the cleaning solution during the cleaning process, e.g. by using a circulation pump.



Use in machines (ultrasonic, spraying systems) :

When using a cleaning tank (e.g. spraying equipment), the entire prepared cleaning solution must be pumped into the machine; the mixing of the cleaning solution takes place automatically by ultrasound or spraying.

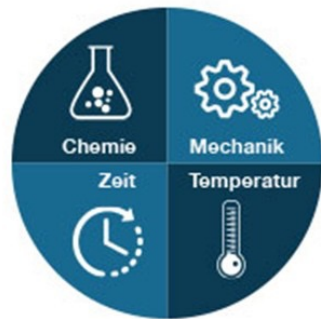
During rinsing processes, care must be taken to ensure that no unnecessary amount of INARCO product is lost in the rinsing tank:



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4. Cleaning result:

Depending on the varnish/paint/adhesive/resin to be removed and the options available, the 4 parameters of Sinner's circle can be set for an optimum result:



The cleaning result always depends on 4 factors:

Chemistry: Composition and concentration of the cleaning product

Mechanics: Type of mechanics such as ultrasound (cavitation), pressure (spray nozzle pressure and arrangement), brushes (type and positioning), circulation movement of cleaning solution by means of pump (strength of bath movement).

Temperature: The higher the temperature, the better

Time The longer the exposure time, the better

Depending on the possibilities on site, one parameter can thus be balanced with another within the 4 parameters.

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5. Consumption of INARCO® products:

In many cases the INARCO® products do not completely dissolve adhesives/varnish/resin/paint, but detach them from the surface to be cleaned = **lower consumption of the cleaner**. The result is mostly shreds which settle on the floor without further aids such as flocculants or which are already filtered out with the sieve of the cleaning system. The consumption of the products depends on the material to be removed and the quantity. Experience shows that INARCO® products have about **twice the mileage** (bath life) than solvents or highly alkaline products.

Examples of how INARCO® products remove cured two-component soiling:



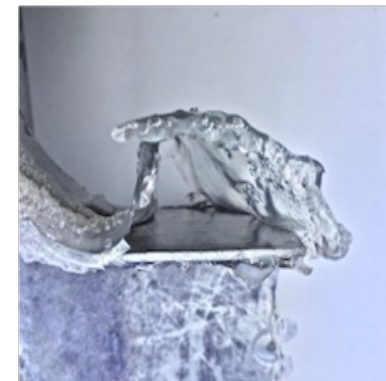
2K laminating adhesive



2K color lacquer



2K lacquer



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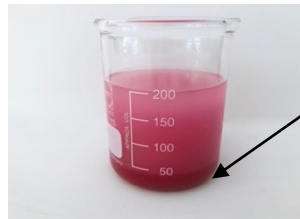
6. Disposal after use of INARCO® products:

In the used cleaning solution - according to the settling behavior - detached paints/lacquers/adhesives/resins settle on the bottom after a certain standing time. Additional flocculants are not necessary.

The settling time depends on the detached material and varies from case to case (from a few minutes to a few hours or overnight). **Only the sediment must be disposed of = low disposal costs!**



INARCO product
directly after cleaning

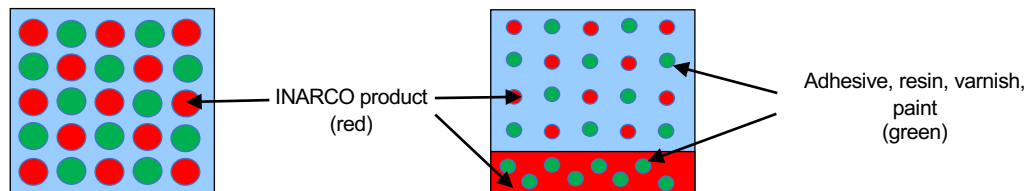


INARCO product
after 5-10min standing
time

After cleaning, it is desired that most of the detached adhesives/resins/varnish/paint settle to the bottom. This can take a few minutes or even several hours, depending on the composition and volume.

The upper part of the working solution is thus mostly clean and can be permanently reused. Only in the event of a drop in performance is "re-sharpened" with INARCO product = low disposal costs.

Schematic:



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In order to dispose of as little of the INARCO® product as possible, it is important to correctly define the actual part to be disposed of:



Cleaning solution
after 5-10min standing
time



Pouring off the reusable
upper part

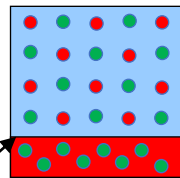


cast off reusable upper
part

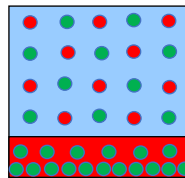


to be disposed of
residual sludge

Schematic:



usually the part to be disposed of is
misinterpreted - not everything that is
stained has to be disposed of



on closer inspection, only the really thick
sludge at the bottom should be disposed of -
otherwise too much of the INARCO product will
be disposed of as well

Alternatively, instead of draining the upper
part, the lower part (sludge) can also be
drained, e.g. via an outlet tap on the IBC.

Disposal is finally: NEITHER the CLEANING TANK NOR the FLUSH TANK but ONLY the RESIDUAL SLUDGE !!!!

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7. Assistance for efficient disposal and recovery of INARCO® products:

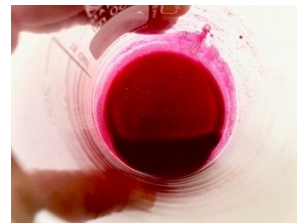
In the beginning, it is somewhat difficult to properly define the actual "sludge" to be disposed of. Therefore we recommend for the first time a help to get familiar with the correct definition. Those who have been working with the INARCO® products for longer can skip this step.



to be disposed of quantity after casting according to frequent customer interpretation



Add double the amount of water (= water column), stir well and let stand.



New "sludge" definition to be disposed of.



The amount to be disposed of is often evaluated according to the coloring, which often results in much of the INARCO product being disposed of as well.

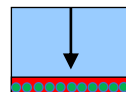
The residue after draining is best infused with about twice the amount of water, stirred and allowed to settle.

This (water column) makes the actual "sludge" to be disposed of more clearly visible.

Schematic:



frequent customer interpretation - leads to the disposal of a large part of the INARCO product



Fill up with additionally double the amount of water = water column

the "new" quantity to be disposed of is now more clearly visible = optimum utilization