

**Tank renovation
employing the three-part
system by Tankdoc.**

- Carburetor Problems ?
- Rusty tank ?
- Dirty ?
- Leaky ?



Before

After



F A Q



**Before performing any other work on the tank,
such as chrome plating, powder coating, or
sandblasting must be done before the renovation!**



Other Applications of the Rust Remover / Neutralizer

The Rust Remover Solution not only completely removes rust from steel tanks, but also from all steel parts that can be immersed in warm liquid. The solution also neutralizes the the previous caustic treatment and creates the basis (by roughening the metal) for the subsequent final sealing of the tank.

Caution:

Degreaser and Deruster can be used several times as a heating bath.

The effect will vary depending on the degree of contamination or rust.

Approximately 5-8 uses.

Store in sealed plastic containers, such as a labeled paint bucket.

Steel degreaser should only be used on steel materials.

Aluminum/Steel Cleaner can be used on steel or soft metals such as carburetors.

Note 2K dilution

A special 2K thinner can be added to the ready-mixed 2K tank interior paint. This can be useful when processing several tanks, for further processing of remaining material or even when ambient temperatures are high in summer. The addition of dilution increases the fluidity. 5% - 10% of the amount can be added. (e.g. stir in 675g of ready-mixed 2K tank interior paint, 35g of thinner).

The dilution can also be used to clean freshly sealed threads, or to clean paintbrushes and other tools.

You can find further information at www.tankdoc.de or call us, we will be happy to help you.

And now good luck with your renovation.

Your Tankdoc-Team.

PRODUKT OVERVIEW

TANKDOC

Informationen or Orders under:

Tel: 09721/473390

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Cell: 0160/97304455

Email: info@tankdoc.de

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Web: www.tankdoc.de

RESTORATIONS- BOX 9



till 9 L Tanks includes:

- 342g Cleaner
- 342g Deruster
- 375g 2K-Tankinterior
- Paint incl. Rea Solution

RESTORATIONS- BOX 15



till 15 L Tanks includes:

- 570g Cleaner
- 570g Deruster
- 675g 2K-Tankinterior
- Paint incl. Rea Solution

RESTORATIONS- BOX 20



till 20 L Tanks includes:

- 800g Cleaner
- 800g Deruster
- 675g 2K-Tankinterior
- Paint incl. Rea Solution

RESTORATIONS- BOX 45



till 45 L Tanks includes:

- 1070g Cleaner
- 1070g Deruster
- 675g 2K-Tankinterior
- Paint incl. Rea Solution

RESTORATIONS- BOX 80



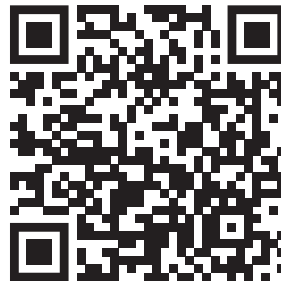
till 80 L Tanks includes:

- 1070g Cleaner
- 1070g Deruster
- 1350g 2K-Tankinterior
- Paint incl. Rea Solution

The Product sets are also available as a box + 75g Thinner

Products:

- 342g Cleaner for Steel (9 L)
- 342g Deruster/Neutralization (9 L)
- 570g Cleaner for Steel or Alu (15 L)
- 570g Deruster/Neutralization(15 L)
- 800g Cleaner for Steel or Alu (20 L)
- 800g Deruster/Neutralization (20 L)
- 1070g Cleaner for Steel or Alu (45 L)
- 1070g Deruster/Neutralization (45 L)
- 200g 2K-Tankinterior Paint incl. Rea Solution
- 375g 2K-Tankinterior Paint incl. Rea Solution
- 675g 2K-Tankinterior Paint incl. Rea Solution
- 75g 2K-Thinner



Here you come to the shop for even more
tips and information

Color: light gray, reddish brown or black

Workshop sizes and current prices can be found in the shop at www.tankdoc.de



WARNING!

Always keep tank cleaner, rust remover, tank interior paint and reaction solution locked away and out of the reach of children.

Wear appropriate protective clothing, rubber gloves and safety glasses when working. Stay away from sources of ignition and do not eat, drink or smoke. Danger to health if inhaled and in contact with skin and eyes!

Risk of chemical burns!

After skin contact, wash affected body parts carefully with soap and water. After eye contact, immediately rinse thoroughly with water and consult a doctor. In the event of an accident or if you feel unwell, always seek medical advice.



DISPOSAL HINTS

Oily chemicals are hazardous waste and must not be released into the sewer system or the ground! Disposal should be made to local waste disposal facilities. Dispose of tank interior paint and reaction solution in accordance with local regulations for waste paint, you can dilute the degreaser and deruster through the sewer system. Dilute 1:200, based on the amount of powder (e.g. 500g powder diluted with 100 liters of water). Dispose of empty plastic containers in the yellow bag or in the designated container and return empty cans to the manufacturer.

- Please note the respective Hazard warnings on the products



PREPARATION HINTS

Remove the fuel tap from the tank that has been emptied and rinsed with water.

Seal the tank opening with a cork, rubber stopper, suitable screw or sealant.

Have Ready:

For preparing or heating liquids: buckets, stirring rods, travel immersion heaters, thermometers.

To dry the tank:

hair dryer, cloths or similar.

For emptying or storing the liquids:

canister or bucket.

To protect the tank exterior paintwork:

Cloths, foil, adhesive tape, corrugated cardboard.

- Find detailed video instructions at www.tankdoc.de and or on You Tube / Tankdoc



DIRECTIONS



Tank renovation with
Using the 3 Part
system from Tankdoc

1. Cleaner - for Steel or Alu

2. Deruster - complete Rust removal/neutralization

3. Versiegeln - mit unserem hochwertigem 2K-Tankinnenlack

- Work steps should be followed exactly!
First clean - then remove the rust!

To protect the exterior paintwork A corrugated cardboard box is suitable. Cut out the Tank opening and place cardboard over the tank so that you can immediately see whether Degreaser or Deruster has leaked out or been splashed and prevents paint damage. The paint can also be protected with hard wax.

1. CLEANING



The cleaner/degreaser is a concentrated powder that is mixed with warm Water is dissolved.

The amount of powder is calculated depending on the tank contents.
e.g. $38\text{g} \times 15\text{L} = 570\text{g}$ granules. For larger tanks of 30 liters or more, this is only 1/2 full and then filled the exposure time so that the cleaner can work on each side.

- Put the powder in a bucket, add 2-3 liters of warm water and dissolve while stirring. Pour this mixture into the tank using a funnel. Then fill the tank with hot water
Fill to the brim or as calculated.
- Allow the cleaner (lye) to take effect for at least 30-60 minutes, or longer depending on how dirty it is. For greasy layers (2-stroke engines), allow the cleaner to work warmly for approx. 4 hours.
- If you cannot use an immersion heater, simply add water at 75°C.
- The temperature of the liquid must be 60°C to 75°C during the exposure time. To do this, hang an immersion heater (e.g. a small travel immersion heater) in the tank or the container with a suitable heat source keep warm from the outside. Check temperature with thermometer.
- The minimum working temperature should be 60°C.
- After the exposure time, empty the tank. The cleaning solution in a labeled bucket!
- The cleaning liquid can be reused for 5 to 8 tank cleanings, depending on how dirty it is.
- Rinse the empty tank several times with water.

If the result of the cleaning is not yet satisfactory, the cleaning process must be continued be repeated.

2. DERUSTING



The rust remover is a concentrated powder that is mixed with warm water and dissolved.

The powder is calculated depending on the tank contents.
e.g. 38g x 15L = 570g granules. For larger tanks of 30 liters or more, this is only 1/2 full and then filled the exposure time so that the cleaner can work on each side.

- Put the powder in a bucket, add 2-3 liters of warm water and dissolve while stirring. Pour this mixture into the tank using a funnel. Then fill the tank with hot water. Fill to the brim or as calculated.
- Allow the rust remover (acid) to take effect for at least 30-60 minutes, or longer depending on the rust. For heavily rusted tanks, allow the rust remover to work for approx. 4 hours.
- If you cannot use an immersion heater, simply add water at 75°C.
- The temperature of the liquid must be 60°C to 75°C during the exposure time. To do this, hang an immersion heater (e.g. a small travel immersion heater) in the tank or the container with a suitable heat source keep warm from the outside. Check the temperature with a thermometer.
- The minimum working temperature should be 60°C.
- After the exposure time, empty the tank. (The liquid must be drained warm!) Store the cleaning solution in a labeled bucket!
- The rust removal fluid is suitable for up to 5 to 8 tank rust removals, depending on the amount of rust. Rinse the empty tank several times with cold water and dry immediately with a hairdryer. Fan heater, hot air gun. If necessary, blow out with compressed air.

The rust remover also removes thick layers of rust and creates a yellow-brown color on the rust-removed surface.

If the surface is very loose, dusty and yellowish, repeat steps 1 and 2.

PREPARATION TO SEAL



Material description

- Color: light gray, reddish brown or black (does not contain formaldehyde)
- Base: 2-component epoxy resin
- Processing: Ambient temperature from 10°C to max. 28°C
- Surface: elastic and smooth, resistant to all known fuels, oils, Water, diluted alkalis/acids, alcohols, hydraulic oil resistant, with acrylic and Can be painted over with synthetic resin varnish.

Mixing ratio: 4:1 parts by weight

(e.g. mix 200g tank interior paint with 50g reaction solution).

Yield of the 2K tank interior paint approx. 375g = 2 x 9 liters; 675g = 2 x 15 liter tanks

The 2K tank sealant is also ideal as a primer, it is up to 110°C heat resistant.

After the tank has been treated with the tank cleaner and the tank descaler, please use one Let dry for a day. Before sealing, the tank must be dry and free of oil, Grease, dust and scale.

Important!!

First stir the can contents of the tank interior paint well (4 parts by weight).

Shake the can contents of the reaction solution well (1 part by weight). Pour the contents of the reaction solution into the can of tank interior paint and mix both components well (3-5 minutes) to achieve 100% union of both components. The tank interior paint is now ready to use.

Processing time is 8-12 hours to allow for sealing twice. Then it hardens in the can.

3. TO SEAL



a) First Seal

- First close all openings of the tank (except the filling opening) with corks, Rubber plugs, suitable screws or wrap with sealing tape.
- Pour the ready-mixed tank interior paint into the tank. Tape the filling opening Seal or use an old tank cap. When using the original tank cap Place foil in between to protect the lid seal.
- Slowly rotate the tank in the direction of paint flow to apply an even coat of paint. The paint mixture must flow over all of the inside walls of the tank. Usually just a few minutes are enough (approx. 5-15 minutes).
- Then turn off the tank for approx. 10 minutes so that excess paint is removed can collect near the outlet, remove the plug and the seal let it flow back into the paint can. The paint can flow for approx. 60 -160 minutes, this is the case Make sure that no excess paint collects; this depends on the ambient temperatures and the thickness of the layer.
- After the paint no longer flows out of the tank, open the tank several times in the direction of flow rotate different sides. So that a layer that is as evenly thin as possible is created.
- Close the paint can again and store in a cool place.
- Let the tank rest for 3 to 4 hours so that the first layer dries slightly can and is receptive to the second layer.

b) The second seal

- Stir the tank paint well again and pour it into the tank and repeat step a).

Pay attention again to the layer thickness and flowability!

DRYING THE TANK



After the applied tank interior paint has reached its initial strength, cover the tank with the tank cap. Place the filling opening downwards to dry. The tank cap must be removed. The drying time is approx. 8-10 days. It is then fully ready for use again.

Drying can be accelerated by heat up to a maximum of 80°C after one hour. However, natural drying is better because of the even crosslinking.

During the 8 days of drying, it would be advantageous to ventilate the tank as it is almost in a cavity where no air exchange takes place.

Sealing can be done a third time, either within the 8 hour processing time or after the 8 day drying time.

Storage of renovated tanks

Please only fill the tank with petrol again after the drying time of 8-10 days. The seal should come into contact with gasoline within six months at the latest so that it remains elastic.

Tips for “emptying residuals”

Some tanks have baffles or overhangs. This means that too much excess interior paint remains in the tank. You can use a disposable syringe over which a suitable fuel hose is pushed. The excess paint can be removed from the Tank.

Please make sure that the sealing layer in the tank is as thin as possible. Layer thicknesses over 0.5mm are at risk of cracking.

Alu Cleaner

Säiliön sisäpuolelta puhdistettaessa menettely on sama kuin terässäiliössä.

Sopii: alumiini, pehmeät ja ei-rautametallit, painevalu, kupari, tina, sinkki, muovi, lasikuitu ja terästä. Alumiinin puhdistusaine on tiivistetty jauhe, joka liuotetaan lämpimään veteen.

38g tekee n. 1 litra. Se puhdistaa, poistaa rasvaa ja kirkastaa alumiinia.

Käyttö uppohauteessa:

- Esim. laita 570g jauhetta sopivan kokoiseen astiaan, 15 litraa vettä (lämpötila noin 50 °C - 65 °C).
- Aseta puhdistettavat osat sisään.
- Altistusajan kesto riippuu kontaminaatioasteesta. Jos saastuminen on voimakasta, Toista prosessi.
- Alumiinipuhdistusainetta voidaan käyttää myös suihkepullolla tai liinalla tai Sieni. Voidaan käyttää myös ultraäänikylvyssä.
- Alumiinipuhdistusainetta voidaan käyttää useita kertoja, kunnes se ei enää tehoa.
- Valotusaika tässä on 5-15 minuuttia.
- Huuhtelee sitten osat puhtaalla vedellä ja kuivaa välittömästi huolellisesti hiustenkuivaajalla tai kuumalla ilmalla.

Hakemus säiliön remonttiin:

Laita jauhe ämpäriin, kaada 2-3 litraa lämmintä vettä ja liuota sekoittaen.

Kaada tämä seos säiliöön suppilon avulla. Sitten kuumalla

Täytä säiliö reunoja myöten vedellä.

Anna puhdistusaineen vaikuttaa 5-15 minuuttia sen likaisuudesta riippuen.

Nesteen lämpötilan tulee olla 50°C - 65°C altistusajan aikana.

Voit tehdä tämän ripustamalla uppolämmittimen (esim. pieni matkasähkölämmitin) säiliöön tai käyttämällä sopivaa. Lämmönlähde säiliön pitämiseksi lämpötilassa ulkopuolelta. Lämpömittarin kanssa tarkistaa.

Tyhjennä säiliö altistusajan jälkeen.

Huuhtelee tyhjä säiliö hyvin useita kertoja puhtaalla vedellä ja käytä välittömästi hiustenkuivaajaa tai

Kuivaus kuumalla ilmalla. Jos puhdistuksen tulos ei ole vielä tyydyttävä,

Puhdistusprosessi on toistettava.



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Kiitos tilauksestasi!