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## HANDLING & CLEANING GUIDELINES FOR COATED TANK CONTAINERS WITH PROCO-EMAIL, BLACK®

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This ISO tank container is internally equipped with a **high-performance coating: Proco-EMAIL, black®**. In order to protect the coating from any damages, we strongly recommend following these handling and cleaning precautions.

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### HANDLING PRECAUTIONS

- Avoid any impact on the inside and outside wall of the tank container.
  - During cleaning work, refrain from impact and from the use of hard tools. Avoid any damage such as scratches and scores.
  - Persons stepping on the tank container must wear slip-proof rubber shoes (smooth sole, without inclusions).
  - Access ladders or any other equipment entering the tank container must be padded in order to protect the coating from mechanical damages.
  - Porosity tests may only be performed with 90V, wet sponge method (e.g. Elcometer 270).
  - The tank container must always be kept under a protective gas atmosphere as far as possible. Preferably clean and dry it after every use.
  - As many chemical products decompose under the influence of moisture, they must be transported under a protective gas atmosphere.
  - The coating absorbs the filling material to a small extent. Therefore, a reaction which may result in damage to the coating is possible during washing or in case of lengthy dwell times.
  - Make sure to lift and transport the tank container with appropriate equipment.
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The Proco-EMAIL® black coating system was developed particularly for the storage and transport of corrosive organic products (e.g. chlorinated products). The resistance data indicated by us are guideline values relating to individual tests applicable only to pure and anhydrous products. The data are given for advisory purposes. No warranty, liability or commitment can be derived from the advice. The user is responsible for testing and determining the resistance of the coating with the respective media.

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. No guarantee of accuracy is given or implied. We assume no responsibility for performance or injuries resulting from using these procedures. No other warranty or guarantee of any kind is made by HÜNI GmbH + Co. KG.

## CLEANING PROCEDURE

- Completely empty the tank container (residual amount max. 10 litres).
- Completely fill up the tank container with cold water (100%).
- Completely empty the tank container again.
- Clean inside walls and fittings with clear water or soaps or detergent additives, or alkaline carbonate additives (sodium bicarbonate, max. 5%).
- **Never use any alkali hydroxides such as sodium, potassium hydroxides or ammonia (NH<sub>4</sub>)!**
- Do not use any detergent additives capable of mechanically damaging the coating surface.
- Rinse with warm water under pressure at < 50 bar and < 50°C.
- Post-wash the tank container with cold water.
- Empty the tank container again and dry it properly.
- Store the tank container under dry protective gas atmosphere.

**Owners should contact the chemical manufacturer to see what their recommendation is for cleaning out a tank container that has carried or stored their product.**

**Please contact HÜNI + CO ([www.hueni.de](http://www.hueni.de) / [info@hueni.de](mailto:info@hueni.de)) if you observe any damage to the Proco – EMAIL, black® coating. We will advise you on the necessary next steps.**

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