



Product Application Presentation

Product Identifier:

TCI 527 H.D.

Process Identifier: Extruded aluminum welding soot, chemical & atmospheric corrosion cleaner & passifier (application ready foam)

Product Presentation

TCI 527 H.D. is an amber coloured formulation of mild acids and powerful biodegradable surface active detergents.

TCI 527 H.D. is pumped from the bulk storage tank and applied to the surface as a foam to avoid atmospheric misting. This solution is made of high foaming detergents for fast surface coverage and thorough soil penetration. This product is designed to be used for extruded aluminum cleaning & polishing as a **foam** with **no** residual chemical corrosion passivation and is primarily used to remove welding smoke & soot, atmospheric oxidation, surface blemishes and chemical discolorations from aluminum articles on transportation equipment.

Also used for cleaning fabricated aluminum articles such as fence gates, picnic tables and previously etched aluminum and extruded aluminum on horse, livestock and trash trailers only.

Process Introduction

The applied foaming formulation is designed to effectively remove deeply embedded road films, dirt, oils, diesel soot, black welding soot, corrosion and oxide coatings without etching the surface to a white finish or leaving undesirable streaks. This procedure should only have to be used twice a year. In the meantime, regular washing should be done with **TCI 710 H.D.** Every time you clean, another layer of silicate protection is added to the aluminum to protect against salt corrosion.

Consult **chemical manufacturer** to install the correct foaming system suitable for your manual or automatic truck wash operation. Atomization from foam is minimal to meet safe exposure limits by reducing the chemical inhalation hazard from an inside/outside work environment.

Process Specificity

THIS PROCEDURE IS FOR TRAINED PERSONNEL ONLY

To start operation, set up the chemical applicator foam system and regulate the air pressure to 340–400 kPa (50–60 psi). The pump will operate automatically by starting or stopping the flow of air.

CAUTION: Do not foam **TCI 527 H.D.** directly onto a hot metal surface since it will alter the chemistry resulting in staining. Walk around the whole unit being treated and thoroughly cool and wet the entire surface on a hot sunny day. The best time is early in the morning or evenings. Foam the chemical solution directly from the drum onto the metal surface and have the pressure washer ready for rinsing. Apply the chemical solution as a foam to the entire surface of the units body starting from the bottom and working up. Assure complete coverage. Once the application is complete, allow approximately a 5–10 minute chemical exposure time. Exposure time is directly proportional to soil thickness. Brushing is optional.

Rinse the section with high pressure at 3000 psi water starting at the bottom and consistently moving with a 10 cm fan or less in a horizontal pattern until the top is reached. Then flush all residual chemical solution thoroughly from the surface working from the top down. Residual chemical activity causes pit corrosion over time. Special cautions apply to the bulk carriers because of their rounded tops. When the entire unit is complete, a final water rinse will assure no residual chemical activity on the aluminum surface.

Packaging: Bulk only



TITAN Signature Finish created by TCI 527 H.D.

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