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HoldTight® 102

remove salts | prevent flash rust | degrease

PRODUCT DATA SHEET

Product Information

Description:

A single component salt removing, flash rust preventing, and degreasing additive. Use to remove all contaminants including salts, oil, and blast residue. Use this product in conjunction with power washing, power wash after dry abrasive blasting, wet abrasive blasting, or waterjetting. **HoldTight® 102** is also effective when used with hand tool or power tool cleaning.

Features:

- Flash rust prevented for approximately 48 hours, often longer with no rain and temperature above 40°F (4°C).
- Surface salts including chlorides, sulfates, nitrates, and all other salts are generally undetectable after proper use.
- Immediately soluble in water or hydrocarbon solvents such as mineral spirits and xylene
- Non-hazardous, non-toxic and non-flammable
- Biodegradable, colorless, and odorless
- Phosphate and acid-free
- Evaporates with the water in which it is dissolved. The surface can be primed immediately after evaporation.
- Components FDA approved for food grade service - 21 code of Federal Regulations 178.3400

Compatibility: Approved by most major coating suppliers for use with their coatings. Contact HoldTight Solutions for references or see

representative coating compatibility chart (Please note this chart is not intended to be complete).

Substrate Suitability:

- Steel, Iron, Galvanized Steel, Aluminum, and Stainless Steel
- Concrete and CMU Block (cinder block)
- Fiberglass

Characteristics:

- Prevents flash rusting of uncovered surfaces and provides rust-free window of 48 hours or longer with no rain or condensation and temperature above 40°F (4°C). Rust-free window for interior storage of **HoldTight® 102**-treated surfaces can be significantly longer.
- Prime **HoldTight® 102**-treated surface as quickly as possible in accordance with coating manufacturer requirements after surface is dry and before flash rusting appears.
- Shelf life is 3 years when stored in a cool and dry place.
- Weight is 8.6 lbs. per gallon.
- Mass density is approximately 62.43 lbs./cubic foot (1 gram/cubic meter).

Instructions for Use

- Typically used in both blast water and wash down water cycles.
- Normally used in pressure washers, wet/slurry and vapor abrasive blast equipment, and ultra high pressure (UHP) water jetting equipment or after dry abrasive blasting.
- Diluted at 50 - 250:1 ratio with water depending on the application, humidity and level of surface contamination.



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- Dilution ratio of 100:1 is most common for blast and wash water cycles (See Mix Ratio and Coverage memos).
- For high humidity environments with highly contaminated substrates, 50:1 dilution ratio may be necessary for both cycles. Typically, a 100:1 ratio is recommended for both cycles. After dry blasting, 50:1 dilution is recommended, except in low humidity and low contamination environments, when 100:1 should be adequate.

Testing various dilution ratios may be required until flash rust is eliminated.

Dust and other contaminants left after dry and wet abrasive blasting must be removed with **HoldTight® 102**-treated water. It is recommended to power wash with **HoldTight® 102**-treated water at sufficient pressure and flow rates to effectively dislodge dust and contaminants and prevent flash rusting. Please refer to the Application Guide for **HoldTight® 102**.

When using UHP water jetting equipment, consult equipment manufacturer concerning usage of **HoldTight® 102** or other additives in their equipment (See UHP Water Jetting memo). Use of DI (de-ionized) or RO (reverse osmosis) water may be required.

For degreasing, a 50:1 dilution ratio is

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generally recommended but a higher concentration (25:1) and possibly increased water pressure may be necessary.

See Application Guide for more detail on various application methods.

Safety, Storing, and Packaging

Precautions:

- Hard water (high concentration of carbonates and other minerals), industrial or plant water, well water, river water, lake water and, in some cases, poor quality potable water can affect the performance of **HoldTight® 102**. Call HoldTight for assistance.
- Avoid “pooling” of **HoldTight® 102**-treated water. Excess water should be blown away with clean, oil-free compressed air.
- Wear eye protection when handling this product. Flush eyes with clean water for 5 - 10 minutes should contact with **HoldTight® 102** occur. Inhalation of vapor of undiluted **HoldTight® 102** may be harmful to some individuals. See doctor if problems occur.

Safety Precautions:

- Keep out of reach of children
- Do not mix with other chemicals
- Do not store below 24°F (-4°C) to avoid freezing freezing chemicals. See current SDS for full list of precautions prior to use.

Packaging:

- Available in 1-gallon jugs, 5-gallon pails, 55-gallon drums and 275-gallon totes. Weight is 8.6 lbs per gallon.