

## HoldTight 102

### Description

HoldTight 102 is a water additive that prevents flash rusting of wet abrasive-and water-blasted iron and steel surfaces and of dry-blasted surfaces in a pressurised wash down. It effectively removes all salts, including chlorides, sulphates, phosphates, nitrates, etc. and other contaminants, including oil, grease, and blast residues. It is approved by most major coating suppliers for use with most coatings.

### Characteristics

- Soluble in water,
- Not classified as hazardous for shipping,
- Biodegradable,
- Phosphate and acid-free,
- Non-flammable,
- In dry conditions above 4.5°C, rusting will be prevented for about 48 hours, often longer,
- Raises pH of blasting water to help compensate for acidic sand,
- Colourless: Leaves no residue,
- Surface salts, including chlorides, undetectable after proper use, and
- Product chemistry approved by the FDA for food grade service under 21 Code of Federal Regulations 178.3400.

### Typical data

Density (1g/ml).

Priming should be done as soon as possible, before flash rust appears and after the surface is dry. Some primers (consult manufacturer's instructions) can be applied when the surface is still damp, provided it is free from visible droplets or running water, but a dry substrate is always preferred. Typical Time before coating is 48 hours, or longer with favourable weather conditions, (no rain, ambient temperature above 4.5°C). Shelf Life is 3 years when stored in cool & dry place. Do not store below 3°C to avoid freezing. (See SDS for more detail.)

### Instruction for use

HoldTight 102 is typically used in both blast water and wash down water. It is diluted with water depending on the application, humidity, and level of surface contamination. It is rarely necessary to dilute it less than 50 to one and frequently possible to dilute it much more. 100:1 is the most common dilution ratio.

In high humidity environments with highly contaminated substrates (e.g. steel plate used in ocean service or exposed to 'dirty' air), 50:1 may be necessary for both cycles. With low humidity and a relatively clean surface, 100:1 dilution on the blast cycle and 100:1 on the wash down should be satisfactory. Until a job begins, assume an average of 100 to one for all the water you plan to use.

**Note:** Water that contains a high concentration of salts, carbonates and/or bicarbonates (i.e. "hard water"), or other contaminants may interfere with the performance of HoldTight 102. Hard water may also be a problem for some equipment. Consult the manufacturer. In most localities, water treatment on site is accessible and inexpensive.

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Industrial or plant water is often a problem, so should be avoided. In a few areas, even potable ("drinking") water may also be a problem. In most cases "bad" water can be corrected easily and inexpensively. Call our technical service staff if you have any concerns or questions about water. If you follow these instructions and HoldTight 102 is not working as you expect, it is probable that you have a water problem: Call our staff immediately.

Avoid "pooling" of HoldTight 102 treated water: on flat areas, excess water should be blown away with oil-free compressed air. Though you will usually have a 48-hour or longer rust-free window, it is good practice to prime as soon as possible after the surface is dry and before flash rust appears.

## **Safety**

Please consult the product label and Safety Data Sheet for safety information.

## **Waste Material**

Please avoid or minimise waste wherever possible. Please do not discard waste material, including packaging, in the surrounding environment. Follow all relevant legislation for disposal.

Important: Premier Coatings Ltd. pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. Premier Coatings Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. Q09303) and an Environmental Management System registered to BS EN ISO 14001 (BSI Certificate no. EMS 677780).

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