

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 +5°C, rusting will be prevented for about 48 hours, often longer,
- Raises pH of blasting water to help compensate for acidic blasting media,
- 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.

Uses

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. 100:1 is the most common dilution ratio.

Instruction for use

Determine the 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.

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. 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. Hard water may also be a problem for some equipment. Consult the manufacturer. In most localities, water treatment on site is accessible and inexpensive.

If you are not obtaining the results you expect, it is possible that you have a water problem. Call our technical service staff if you have any concerns or questions about water.

Clean the surface according to the specification

Note: 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.

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Prime the surface according to the specification: Priming should be done as soon as possible, before flash rust appears and after the surface is dry. Consult the Primer manufacturer for required surface conditions. Typically, HoldTight 102 can prevent flash rust on a freshly prepared surface for 48 hours, or longer with favourable weather conditions, (no rain, ambient temperature above +5°C).

These instructions may not cover all circumstances and does not supersede the project specifications.

Storage

Shelf Life is 3 years when stored in cool & dry place. Do not store below 3°C to avoid freezing.

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: Winn & Coales (Denso) 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. Winn & Coales (Denso) Ltd operate a Quality Management System registered to BS EN ISO 9001 (BSI Certificate no. FM01548) and an Environmental Management System registered to BS EN 14001 (BSI Certificate no. 583748).

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