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BluGuard™ Panel Protection

Bluchem's Clear Panel Protection is a Clear acrylic water borne product based on high-quality hydroxy-acrylic dispersions based anti-corrosion system. The coating offers excellent protection against corrosion and weathering and is ideally suited for use over metal substrates in demanding environmental conditions. The clear coating means that the original colour of the unit is preserved. Coating thickness is approx 50 microns.

Bluchem's Marine Panel Protection is a multiple coating option consisting of an initial layer of BluGuard Anti-Corrosion Primer, an intermediate coat of high solids epoxy, and then a finish coat of a chemical resistant polyurethane. This multi-coat application is suitable for the harshest corrosive environments, such as oil rigs, chemical plants and oil refineries, or equipment located at the sea. Coating thickness is can range from 100 - 300 microns Dry Film Thickness, dependent on customer requirements.

Features & Benefits

- Extends lifetime of panels & cabinetry
- Excellent weatherability
- Abrasion resistant
- Maintains colour and gloss
- Flexible to withstand temperature fluctuations

WARRANTY

Bluchem offers a two (2) year warranty on the Clear and up to five (5) years warranty on the Marine panel coating (from the date of application) if applied by Bluchem and the required maintenance and cleaning requirements are met. Panels should be washed clean using water only or Bluchem approved non-acid based neutral PH diluted soapy solutions once every three (3) months during routine maintenance.



BLUCHEM BLUGUARD™ PANEL COATING WARRANTY

The panels of this unit have been coated with Bluchem BluGuard™ Clear or Marine Panel Protection for corrosion protection. The following coating warranty applies:

Part 1

What is covered?

The warranty covers the “coating on panel(s), cabinetry and structures, as applied by a Bluchem technician”. The invoice for the coating must have been paid in full.

For how long? The warranty covers the “coating on the panels”, for the first twenty four (24) months in the case of the Clear coating, and sixty (60) months for the Marine coating (dependant on DFT option), beginning with the original application date.

How is the Coating Warranty coverage defined? The maximum liability for all panels coated with Bluchem BluGuard Clear Panel Protection is applied as follows: Should the original panel require re-coating due to external atmospheric corrosion, Bluchem shall re-coat the panel(s) using, at our option, one of our Field Spray Applicators or a Bluchem In-House Spray Facility. The warranty does not include the cost of travel, subsistence, freight, sales tax, and/or duties, and will be subject to evaluation by Bluchem on a per claim basis.

Part 2

What this warranty does not cover:

Those items not covered under this warranty are any and all other items than shown as covered in Part 1 of this Warranty including but not limited to: Any other parts, freight, duties, postage, tariffs, damages, to items or products caused by failure other than those explicitly defined as covered by this warranty.

1. Other items not covered under this warranty:

- 1.1. Damage originating internally, such as from corrosive liquids or gases inside the system.
- 1.2. Damage from improper panel cleaning methods, such as but not limited to the use of wire brushes, very high pressure/temperature steam/water spray , scouring etc. Unauthorized chemicals or un-proven cleaners, cleaning methods not consistent with Bluchem’s warranty maintenance program or other abrasive actions or products.
- 1.3. Damage from other miss-use, neglect, or any other intentional or accidental act, or any act of nature which compromises the integrity of Bluchem’s protective coating applied for protection against external corrosion.
- 1.4. Damage caused to the panel screw holes caused by over tightening, or failure to use silicone on the screw threads to seal any damage to the coating caused by the threads. Nylon washer must be in place.
- 1.5. Labour or workmanship involved in any field installation, assembly, repair, touch-up or re-coating, disassembly, by others.

2. **Bluchem’s workmanship is warranted for thirty (30) days from the date of coating application. Our workmanship warranty is limited to parts coated, disassembled or re-assembled by Bluchem’s trained technicians for the purpose of coating the relevant equipment.**

3. **Bluchem reserves the right to** in its opinion and as an option, visually inspect any unit (prior to re-coating of panel(s)), either by onsite inspection or requiring photograph and/or video evidence of external corrosive damage.
4. **Re-coating** of an original or a replacement panel(s) does not extend the original warranty.
5. **Bluchem's liability** does not extend beyond the Terms or Conditions of the warranty. Bluchem shall not be liable for any damages caused by equipment or failure of operation of equipment, or a manufacturer's defect in the equipment.

We neither assume nor do we allow anyone else to assume for us, any additional liabilities. No person, company or entity of any type or manner can make, represent or construe any other terms or obligations under this warranty without our written consent.

Part 3

What you must do to keep this coating warranty valid:

1. **Owner is to provide** normal maintenance including scheduled panel cleanings, coating touch-up of abraded, eroded or scratched areas, all of which can compromise the integrity of protective coatings. Cleaning panels and coating touch-up are considered normal maintenance during the life of equipment. Maintenance requirements are part of the Warranty and should begin immediately following installing of equipment. Failure to keep a unit serviced may void all or part of this warranty.
2. **Owner is to give** prompt attention to needed repair and service of coatings.
3. **Owner is to schedule** panel cleaning and inspection of coating in accordance with the terms of this warranty.
 - 3.1. Panels shall be cleaned using water only or approved non-acid based neutral PH soapy solution depending upon the corrosive environment. Coils shall be cleaned no less than once every three months for Clear and annually for Marine.
 - 3.2. No salt build-up should be allowed on the panels or dirt/sand be allowed to accumulate in the base pan.
 - 3.3. Units located within 10 km of the sea coast, or in areas where aggressive corrosive atmospheres are common (paper mills, refineries, chemical plants, waste water treatment plants, or similar but not limited to), cleaning every two months is recommended.
 - 3.4. Use of wire brushes is prohibited.
 - 3.5. Following cleaning, check panels for abrasion, erosion or corrosion damage.
 - 3.6. If wear or abrasion is evident, Bluchem must be notified immediately. Bluchem is available to assist customers with proper touch-up and panel cleaning requirements.
4. **Do not** use very high pressure/temperature water / air spray, wire brushes, scrappers, or other abrasives to clean panels, as it may damage the coating and void the warranty.