



Lubrizol

PAINTS & COATINGS

CARBOSET® PL 3127

Carboset® PL 3127 is a peelable resin technology primarily for metal component protection during short and long-term transportation and storage needs. This technology is easily incorporated into water-borne formulations for corrosion protection during manufacturing, assembly, storage and global distribution operations. Effective on multiple metal substrates, coatings made with Carboset PL 3127 can reduce cost and claims related to corrosion for OEM's and major Tier 1 and 2 suppliers.

Efficiency and flexibility

Designed to provide improvement in corrosion protection compared to alternatives, Carboset PL 3127 offers flexibility to formulators on viscosity, tintability, sag resistance and rheology functions in a one-component coating solution. It's fast dry time, peelability, chemical resistance, high elasticity and adhesion properties lead this product to mitigate many in-process corrosion costs and rework claims. It can be applied to both machined (bare metal) and painted surfaces without leaving any residue after removal.

Outstanding performance leads to value

Exceeding 300 hours of ASTM B-117 Salt Spray and over 10 months outdoor exposure in clear finishes, this peelable technology can improve manufacturing processes in high volume metal manufacturing operations. When used as a mastic coating, Carboset PL 3127 adds additional value to eliminate masking, cutting and time consuming operations that lead to operator efficiency. Just spray or brush this product on and peel it off when desired.

Regulatory compliance

Carboset PL 3127's water-borne chemistry is an excellent choice to meet global VOC reductions, enabling coating formulations less than 50 g/l. It is capable of multiple application methods (spray, brush, dip) and has simpler clean-up over heavy fluid films or solvent-borne alternatives. Metal manufacturing facilities limited in VOC capacity now have an operator friendly alternative for product corrosion protection.

In addition to VOC compliance, Carboset PL 3127 does not contain APEO's or NPE's. It is designed to be applied and used in interior and exterior environments.

WHAT WE ADD MAKES THE DIFFERENCE.™

- CORROSION RESISTANT RESIN EXCEEDING 300 HOURS OF ASTM B-117 SALT SPRAY TESTING
- LOW DRY FILM THICKNESS AND EASY TO APPLY OVER MACHINED AND PAINTED SURFACES
- PEELABLE, ANTI-CORROSION RESIN TECHNOLOGY FOR RUST AND OXIDATION PREVENTION
- ULTRA-LOW VOC* AND FORMULATION FLEXIBILITY (SPRAY, DIP OR BRUSH)
- QUICK DRY TIME FOR PART STORAGE, COMPONENT PACKAGING AND ASSEMBLY PROCESSES
- PERFORMS AS A PEELABLE MASTIC THROUGH WASH TANKS AND PAINT LINES

*Can be used to make coating formulations less than 50 g/l VOC (as measured by EPA Method 24).

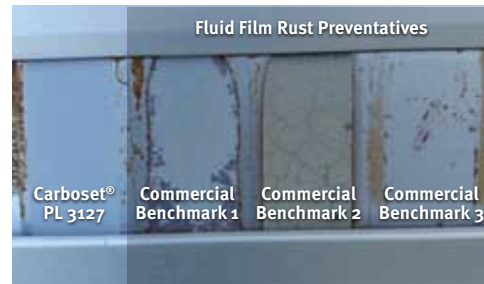
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FEATURES & BENEFITS

- THINLY APPLIED FILM REDUCES APPLIED COSTS COMPARED TO THICKLY APPLIED FLUID FILMS
- POLYMER BASED FILM TECHNOLOGY GIVES SHORT AND LONG-TERM PROTECTION
- EASILY REMOVABLE AND EPA FRIENDLY IN GENERAL WASTE STREAMS – SAVES ENORMOUS TIME IN PRODUCTION PROCESS
- WATER-BORNE TECHNOLOGY FOR EASY APPLICATIONS, CLEAN-UP AND EHS PROFILES
- COLOR AND TINT CAPABLE FOR VISUAL INDICATORS IN PLANT OPERATIONS
- CHEMICAL RESISTANCE FOR ADDED BENEFITS AROUND HEAVY EQUIPMENT SOLUTIONS
- REDUCED OPERATIONAL QUEUES IN MASKING AND CUTTING PRIOR TO PAINTING PROCESSES

Spray On Formula (Salt Spray Results)

After 336 Hours Outdoor Exposure Testing



Peelability of Single Pack, Clear Aqueous Coating

Peelability on Untreated Cold Rolled Steel Substrate

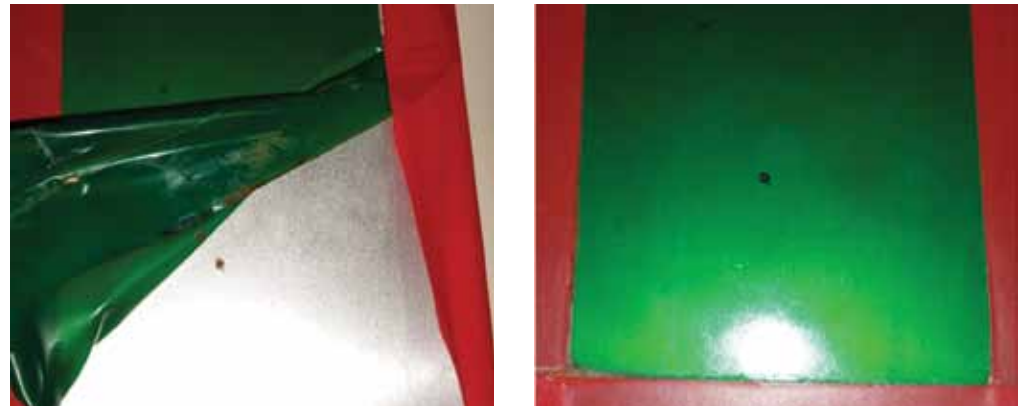
Peelability on Commercial Polyurethane



Approximately 4 mils (100 microns) film

Failure Limit Salt Spray for Green Sprayable Formula - Single Pack Aqueous Coating

- Pigmented spray formula ran out to 1000 hours Salt Spray over bare steel
- Peel release was outstanding and film continuity was strong during peeling



Approximately 4 mils (100 microns) dry film

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Lubrizol

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