

Q & A Document - Morthane Industrial Coating

Q. Can you explain the type of paint that will now be used, along with the application process?

A. The process starts with *DynaPrime® Gray Sealer Plus Primer*, a two package polyurethane coating for use as a primer or sealer on metal, wood and plastics. The primer features excellent wet on wet recoatability with polyurethane topcoats and offers good corrosion resistance. The primer is followed by a superior urethane topcoat, *Morthane Orange HS 2K*. The exclusive recipe for Morthane is based on designs for agricultural, marine, fleet refinishing and heavy industrial equipment markets. This coating offers outstanding gloss and color retention as well as superior impact and chemical resistance while providing fast drying characteristics. Morthane provides a quality finish in an economical single stage 2K system. Both primer and topcoat will be applied with electrostatic spray which draws paint into hard to reach areas such as fender edges and around bolts, resulting in more consistent coverage and less rust in these areas.

Q. What are the main benefits of Morthane?

A. The main features and benefits of Morthane are listed in the chart below. In addition, one of the resins used in Morthane is the same resin that was formulated for the military in 1983 for use on Hummer® military vehicles. This resin was used in a chemical agent resistant coating (CARC) so in the event that the vehicle was exposed to nerve gas or other contaminants it was capable of being cleaned and reused as opposed to having to discard it completely. This resin contributes significantly to the chemical resistance of Morthane.

<u>Features</u>	<u>Benefits</u>
1.High quality look and finish	Glossy, attractive equipment for long periods of time for maximum resale value.
2. Durable barrier to protect equipment from extreme conditions, ice, salt, etc.	Outstanding chip resistance and corrosion protection.
3. Built-in UV protection	Excellent color retention and fading resistance.
4. Electrostatic application	This method of application draws paint into hard to reach areas (such as fender edges and around bolts) resulting in more consistent coverage and less rust in hard-to-reach areas.
5. Minimal full-cure time	Full cure time takes approximately one week so powerwashing a new machine won't adversely affect the coating.
6. Chemically resistant for excellent protection against spills of antifreeze, diesel fuel and hydraulic fluid.	Great looking, glossy, attractive finish for many years resulting in retention of resale value.

Q. Will the color of the new paint match the color of the old paint?

A. Yes.

Q. Will the new paint increase the overall cost of a Morbark machine?

A. No. Process improvements in our coating department will offset paint product cost increases.

Q. Can this paint be applied at a dealer location if necessary (i.e. for painting individual parts)?

A. Yes, with proper equipment and safety precautions. For limited exposures personal protective equipment, including breathing apparatus must be worn, for extended exposures more complex ventilation will need to be put in place. Dealers must familiarize themselves with MSDS sheets, instructions will be available.

Q. Can Morthane be applied over the old paint or does a machine or part with old paint need to be stripped before painting with Morthane?

A. This is in testing now but it looks as though it will be possible if old paint is aged for approximately one year. The old finish will need to be sanded – tests are being done to determine sandpaper grit size.

Q. On what date will Morbark start using the Morthane product?

A. Commercial products with manufacturing start dates of February 15th or later will be coated with Morthane. Industrial products with manufacturing start dates of March 8th or later will be coated with Morthane.