

RYDALL MP Compatibility with Modine (Luvata) Electrofin® E-Coat Coils

Electro-deposition coating (e-coat) is a premium alternative to polyurethane and phenolic coatings and provides long-term corrosion protection for outdoor HVAC&R equipment in coastal (marine), industrial, urban, or highly alkaline environments. In addition, e-coat provides protection for equipment in certain indoor environments, such as swimming pools, industrial process facilities, and waste water treatment plants. Modine Manufacturing acquired Luvata Heat Transfer Solutions in 2016 and now provides coils manufactured with the Electrofin® E-coat process. The challenge is finding a cleaner that not only removes the deposits that accumulate on these coils, but one that will not damage the Electrofin coatings in the process.

RYDALL MP was thoroughly tested on Luvata (Modine) Electrofin e-coat coils, specifically for compatibility with these proprietary coils. It was determined that **RYDALL MP** was compatible with the coatings and that it could be used in place of or in conjunction with **RYDALL CC** when heavier grease/grime is present on the coil surfaces.



CHALLENGE

Finding a cleaner that was compatible with sensitive Luvata (Modine) Electrofin® E-coat coils.

SOLUTION

RYDALL MP was tested for coating compatibility and for effectiveness in removing the heavier grease and grime that customers encounter when cleaning these coils.

RESULTS

RYDALL MP was tested at multiple concentrations, ranging from 10-100%. It was determined that **RYDALL MP** did not attack their coatings at any concentration. It was also concluded that **RYDALL MP** should only be used when heavy grease/grime is present and that normal cleaning applications would require only the **RYDALL CC** coil cleaner to achieve exceptional results.