**E-Coating Technologies**

**Flexible Product Coating Solutions & Services**

**Electro-deposition Coating**
- Offers exceptional coating capabilities for complex products not well suited for spray applications
- System capacity of 6,000 lbs per load bar - 12 load bars per hour
- 35,000 gallon processing capacity for both cathodic acrylic (UV resistant / 750 hour salt spray and cathodic epoxy (1,000 hour salt spray protection) meeting U.S. military specification MIL-P-53084
- Operating out of a 260,000-square-foot facility, one of the largest in North America
- Can accommodate parts 4 ft. wide, 8.5 ft. deep and 50 ft. long
- 8-stage pretreatment system, including full immersion zinc phosphate and non-chrome sealer, is among the most tightly controlled in the industry meeting U.S. military specification TTC-490E Type 1 for pretreatment

An example of a complex steel fabrication (RV Chassis) paired with acrylic electro-deposition coating.
E-Coat Process Map

**PRETREAT**

01. HEATED ALKALINE SPRAY
02. HEATED ALKALINE SUBMERSION
03. CITY WATER RINSE
04. CONDITIONER
05. HEATED ZINC PHOSPHATE
06. CITY WATER RINSE
07. SEALER
08. REVERSE OSMOSIS RINSE

09. STORAGE TANK

**ACRYLIC APPLICATION**

10. ACRYLIC SUBMERSION
11. PERMEATE SPRAY
12. PERMEATE SUBMERSION
13. PERMEATE SUBMERSION

14. STORAGE TANK

**EPOXY APPLICATION**

15. EPOXY SUBMERSION
16. PERMEATE SPRAY
17. PERMEATE SUBMERSION

18. STORAGE TANK

TOTAL PROCESS TIME: 4-4.5 HOURS