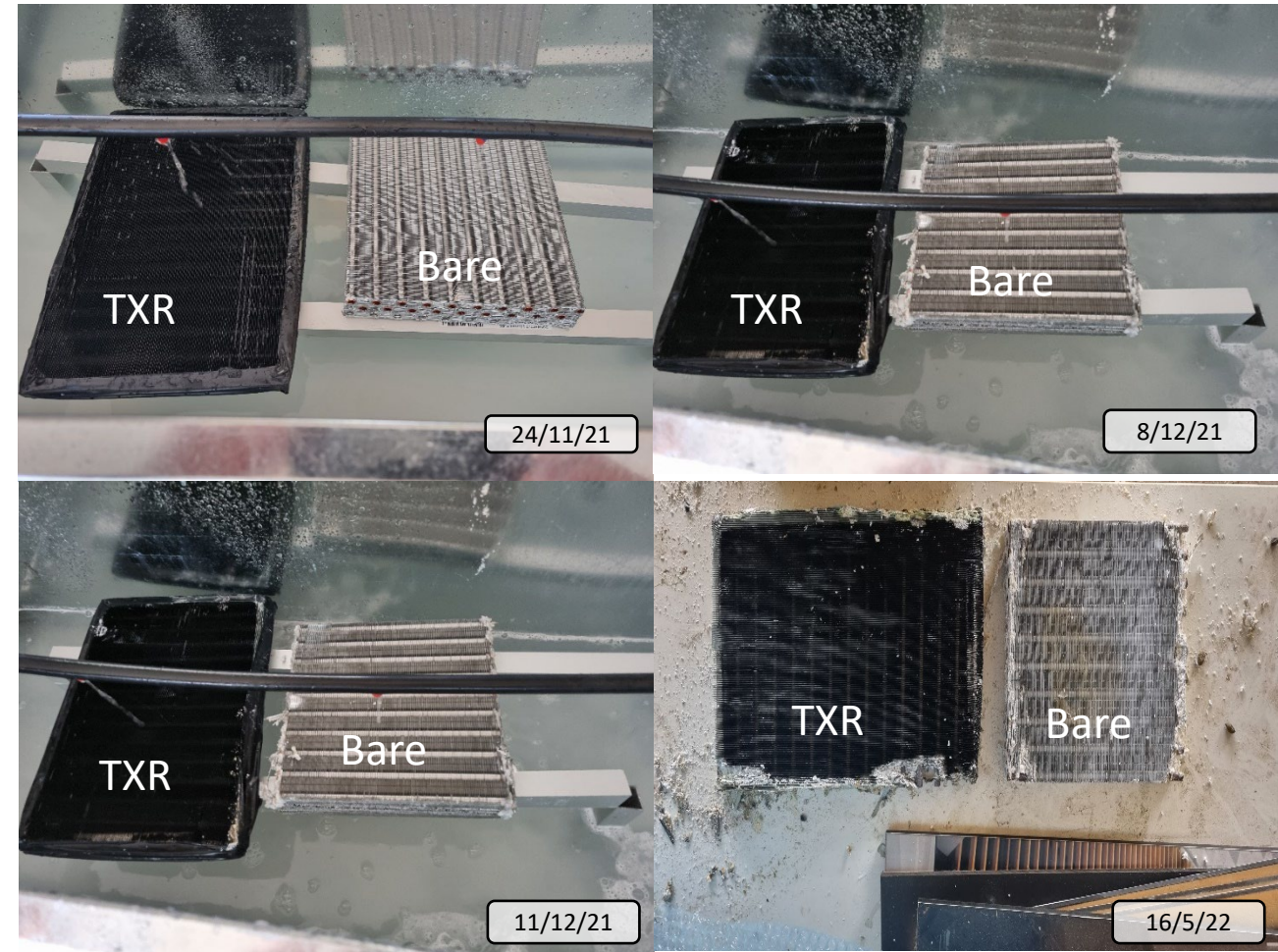


- ASTM B1117 Exceeds 10,000 hours
- ASTM G85 A1 Exceeds 3,000 hours
- Customer Testing – 6 Months
 - Salt spray test | Coated versus Uncoated (Bare) sections of the coil.
 - Coils mounted in a galvanised box, with a constant recirculated spray of salt water.
 - The water salt content in the test is 300 grams salt for 10L of water. *25% more saline than a direct sea water spray.*
 - The coated coil showed NO signs of corrosion. The sections of the coated coil that were bare started to corrode and showed signs that the corrosion is not progressing past the bare coil.
 - These tests provide very good evidence that in normal seaside conditions it will provide protection from corrosion.



THERMAL-XR® RESTORE is a water-based acrylic resin impregnated with thermally conductive GMG Graphene applied by high-pressure spray gun. The coating is UV resistant, with a DFT of no more than 15 microns, flexible and highly resistant to aggressive environments.

The adhesion level will meet Cross Hatch Test Level 0 (European) and 5B (USA) according to ASTM 3359-88 53151 method B-A. Corrosion resistance will be confirmed by testing of no less than 10 000 hours salt spray resistance per ASTM B117 using aluminium test panels.

PROPERTY		TEST METHOD	RESULT
Salt Spray	Marine Air Corrosion Resistance	ASTM B117	Exceeds 10000 hours
Salt Spray Acidic		ASTM G85 A1	Exceeds 3000 hours
Water Immersion		ASTM D870	500 hrs minimum
Cross Hatch		ASTM 3359	5B
UV Resistance		ASTM D4587	Exceeds 1000 hrs
Flexibility		ASTM D522M	PASS
Thermal Conductivity	Heat Exchange Efficiency	ASTM E1225	15 W/MK
C5 Condensation		ISO 6270	PASS
C5 Chemical Resistance	Corrosion Resistance	ISO 7523	PASS
PHYSICAL PROPERTIES RESULT		RESULT	
Viscosity (Krebs, KU)		93- 98	
Viscosity (Centipoise, cP)		1300 – 1500	
Solids % by: volume/wt		30% - 50%	
Density		1.2138 Kg/L	
pH		8 – 10	
Gloss at: 20°/60		65/92	
VOC		165 g/Litre	
Flash Point		Water-Borne/Non-Flammable	
DFT		15 microns	
Coverage (Practical)		15 m ² /Litre	
Application temp.		Apply at above 5°C	