



## **Engineering Mini Spec**

### HVAC/R Protective Surface Treatments

1. Surface Treatment shall be ambient air temperature cured, inorganic film structures.
2. Surface Treatment shall not act as an insulating barrier to the substrate, which would inhibit or degrade heat transfer coefficients or increase energy consumption of the condenser.
3. Surface Treatment shall adhere to substrates by direct atom-to-atom Covalent bonding, as well as London Force Method.
4. Surface Treatment shall produce a dry film thickness no greater than 15 Microns.
5. Surface Treatment shall have passed ASTM G-21, with a zero (1) microbial spore growth development rating. The standard ASTM G-21 test must have been conducted by an accredited, third party, independent laboratory.
6. Surface Treatment shall meet or exceed 25,000 hours of corrosion protection using ASTM B-117 testing protocols.