

USNS Zeus Cable Ship - USA

When the U.S. Navy decided to rebuild the cable ship USNS ZEUS they wanted a coating on the ventilation system that would last as long as the expected rebuilt life of the ship.

Because of salt water corrosion occurring on the inside of the ventilation system, normal life would only be 6-8 years with conventional coatings whereas the rebuilt life for the ship would be 20-25 years.

Military Sealift Command in charge of the rebuild chose ZINGA as their coating of choice for several reasons.

The expected life with 100µm DFT ZINGA would now be 20-25 years.

The first coat of ZINGA could be applied prior to forming since ZINGA could be plasma cut with no distortions, could be welded without causing weld porosity, and could be bent 180° with no release or destruction of coating.



System:
Blasting to SA 2,5 and Rz 50-70 µm
ZINGA 1 X 100 µm DFT