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Basotect®

Insulating a deaerator tank with Basotect® acoustic panels for a quieter boiler room at BASF site in Wyandotte

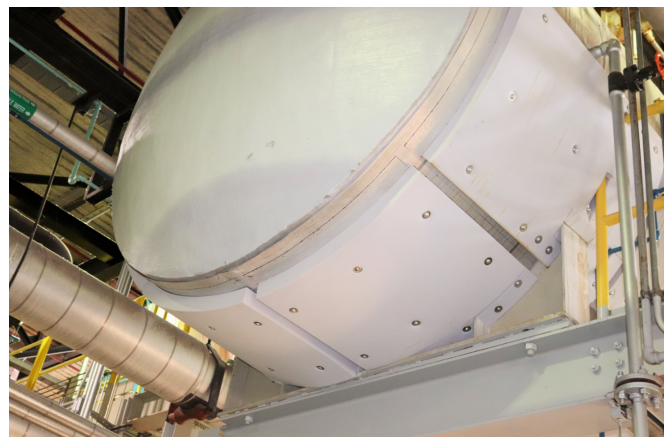
At the heart of the BASF site in Wyandotte, MI is the steam plant with its utilities buildings which has a history of loud equipment.. The deaerator tank platform was one of the last and most difficult pieces of equipment to quiet to the OSHA's and BASF's requirement of hearing protective devices (85 dBA). To reduce the noise to manageable levels while considering all the other facility hurdles, BASF's acoustic foam Basotect® was installed onto the outside surface of the deaerator tank.

This deaerator tank is a 30-foot long cylindrical metal tank that removes dissolved gases from the boiler feedwater by mechanical means generating noise well above 85 dBA and high operating temperatures. Basotect® can be used in application temperatures as high as 450°F without reduction in flexibility or acoustic performance while providing good thermal insulation due to its low thermal conductivity (<0.035 W/m.K).

The site utilities manager was looking for an acoustical insulation that could easily be installed around the cylindrical tank while avoiding mineral fibers and meeting the ASTM E84 Class A fire requirements.

Because of the material's flexibility, the panels made of Basotect® were easily applied to the outside of the tank with a silicone adhesive and support pins for a "belt-and-suspenders" installation. Site utilities manager Ed Kachadoorian states: "We do not require hearing protection in the steam plant anymore because of the installation made of Basotect®. Now all who enter this building can enjoy a better and safer working atmosphere."

Further information on Basotect®:
www.basotect.basf.com



Experience the quiet, experience Basotect®. The material of choice for actively managing acoustical challenges.



VERY GOOD
SOUND ABSORPTION



LOW
WEIGHT



HIGH
THERMAL STABILITY



EXCELLENT
FIRE SAFETY



GOOD
THERMAL
INSULATION



SIMPLE
PROCESSABILITY/
THERMOFORMING



EXCELLENT
CHEMICAL
RESISTANCE