

EcoSeal, LLC

ES 700AR for complete corrosion and heat protection with superior abrasion resistance



CUSTOMER

Wyman Gordon- chose Eco Seal **ES 700AR** for the protection of this furnace base structure. Long term protection was key to this decision.

PROJECT TEAM

RIO SERVICES TEXAS was the chosen contractor to apply the **ES 700AR**. The trained applicators make all the difference in quality long term coating solutions.

PROJECT OVERVIEW

ECO SEAL and **RIO SERVICES** in 2012, were chosen to protect the I-beam support structure for this large furnace. The structure was blasted per Eco Seal specifications, and then spray, and roll coated to protect every turn and edge. The project was completed in less than two days.

Two 20 mil coats were applied to help resist the compressive forces as well as the heat transference to be seen after the furnace was put in service.

CONSIDERATIONS

ES 700 AR was chosen for it's fast cure time, and superior resistance to heat, and abrasive forces during the installation of this massive furnace. The coating had to be heat resistant for long term protection, and be able to withstand the forces during the mounting process to secure the furnace.

The furnace would reach over 3,000 degrees F, and the heat transference would cause most coatings to fail. **ES 700AR** with the magnetically induced resin would seal the metal from moister, and air penetration stopping corrosion issues.

SYSTEM PRODUCTS

The system chosen here is **ES 700AR** offered in 45 different colors, and a variety of viscosities for optimal application techniques. Heated plural spray equipment is optimal, however **ES 700AR** can be formulated to be applied by brush, roller, and pressure pad as well.

Special formulations, and application specifications are available from **ECO SEAL, LLC**.