

Case study: Silos for grain and rice storage, VIP



PROJECT REFERENCE



SEGMENT

WATERPROOFING

SILOS FOR GRAIN AND RICE STORAGE, UAE

| | |
|--------------------|--------------------------|
| LOCATION | Fujairah / UAE |
| SURFACE | 40.000sqm |
| CONSULTANT | Mott MacDonald |
| COATING CONTRACTOR | AntiCor LLC |
| CLIENT | Invest AD |
| SYSTEM APPLIED | QuickSpray Eco + PU Foam |



Project Description

Federal Strategic Grain Reserve Project, 20 silos for grain and rice storage. Storage; 6 silos are for rice storage and the other 14 are for wheat grain. The rice silos have 8cm of PU spray foam insulation on the roof and 50cm of insulation on the walls of the 6 rice silos. The wheat silos received 8cm of PU foam insulation on the roofs. The Polyurea was applied both on the roofs of the silos and on the external walls of the rice silos, as water proof protection and uv/ weathering protective membrane for the insulation foam. AntiCor Ltd. applied polyurethane foam as heat insulation directly to concrete prior to application of QuickSpray Eco, a high performance Polyurea Hybrid System.

System application took place in 2 steps:

- 1) 2K Polyurethane foam System
- 2) 2K Polyurea - QuickSpray Eco with 1 mm thickness

The project is ongoing and will be completed in March 2012.

