

POLYUREA PROJECT PROFILE

INDUSTRY:	PETRO CHEMICAL S
OWNER:	SABIC CHEMICALS – UNITED OLEFINS
CONSULTANT:	FLOR DANIELS
APPLICATOR:	SAUDI FOSAM (FOSROC)
LOCATION:	KINGDOM OF SAUDI ARABIA
PROJECT:	POLYOLEFIN PROCESSING CONTAINMENT BASINS
SYSTEM:	NUKOTE POLYPRIME I PRIMER & NUKOTE ST PURE POLYUREA
SURFACE AREA:	THREE BASINS TOTALING 13,000 SQUARE METERS
COMPLETION:	SEPTEMBER- 2005
DESCRIPTION:	

Renovation of existing concrete process basins requiring removal of existing failed HDPE lining followed by; sweep blasting of the contaminated substrate, pressurized hydro cleaning, filling of voids and spalls using two-pack epoxy skim coating, application of Nukote Polyprime I primer at a nominal 100 microns and finally application of Nukote ST Pure Polyurea at a nominal thickness of 1000 microns

SABIC - is the 10th largest petrochemicals company in the world. It is 3rd in Polyethylene production, 6th in Polypropylene and 4th in Poly-olefins overall. The Poly-olefins SBU (United Olefins) is the producer of polyethylene (PE) and polypropylene (PP). The PE product range includes essential polymers such as linear low-density polyethylene (LLDPE), low-density polyethylene (LDPE), and high-density polyethylene (HDPE). The PP product range includes random and homo polymer resins.



FLOR DANIELS –USA is one of the worlds leading general contractors and consultants specializing in industrial and petrochemical plant construction and renovation projects. The success of this project impressed them enough to request that Saudi Fosam and Nukote Coating System provide a full presentation to their entire engineering and design group in Houston Texas, which was performed in October 2005 resulting in their incorporation of Nukote Polyureas as a Global Specification for concrete containment basins.

SAUDI FOSAM – is a KSA joint venture between Fosroc International and a local Saudi firm. This company has been operational in the Kingdom for more than thirty-years and is considered the countries leading concrete chemicals supplier and coatings specialist. FOSAM is the Kingdoms Distributor for Nukote Coating Systems International, providing local Nukote product supply and Nukote Qualified Application Teams and Equipment Systems.

