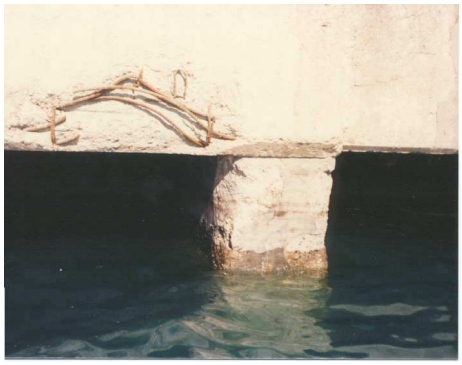
JOB RECORD
n° 6

BANDAR ABBAS NEW PORT COMPLEX – IRAN

SINIT has been deeply involved for many years, from 1982 to 1995, in most phases of construction, repairs and maintenance of the new Port Complex in Bandar Abbas, the largest in the Persian Gulf.
Because of the construction system adopted, with the concrete structures cast into the ground, then dredged all around to allow sufficient water depth along the quays, heavy mechanical damages occurred to the coping beams and to their submerged joints.
In a number of places, the underwater joints had to be closed with pre-mixed concrete in bags, sealed with SUBCOM T.260, special underwater and splash zone epoxy coating, then back-filled with large quantities of injected grout.
Later on, some 16.000 sq.m. of submerged coping beams with exposed and corroded re-bars, were thoroughly grit-blasted to remove all loose parts and protected with SUBCOM T.260.
In the next stage, some 22.000 sq.m. of emerging coping beams were water-jetted, lined with #108 MORTAR, thixotropic, non-shrink, sulphate resisting mortar, and finally protected with L.A.2S, epoxy liquid adhesive.
In the same period our teams applied our anticorrosive SUBCOM T.260 to the wet portion of all steel piles under the Petroleum Pier, for an area of about 3.500 sq.m.
All the above works caused SINIT to supply some 1.300 tonnes of #108 MORTAR and some 350 tonnes of SUBCOM T.260, P.A. 103 and L.A. 2S epoxy adhesives.
The results of all these works have proved to be very satisfactory over the years and the maintenance routine greatly reduced.

Submerged coping beams area after sandblasting evidencing exposed re-bars.

Manual application of SUBCOM T.260 on re-bars and concrete.



Coping beam heavely damaged with exposed re-bars.

Coping beams repaired with #108 MORTAR and coated with #777 COAT.

Splash –zone of petroleum pier coated with SUBCOM T.260.

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