



SWRO Desalination Plant Phase II

King Fahad Industrial Port Jubail
Saudi Arabia

Client
Marafiq

Sector
Water & Power

DATE
March 2014

PRODUCTS

- Nitotile 489
- Nitotile EP Grout

THE PROJECT

The Jubail SWRO Phase II, a continuation of the Al Fatah Water and Power project in Jubail, has a design capacity of 58,500 m³/day and is projected to be completed by April 30, 2014.

This dual membrane plant with UF followed by reverse osmosis (RO) will be the largest UF-RO desalination plant in Saudi Arabia. With a UF production capacity of 7,400 m³/h (177 MLD), the SWRO facility will produce water for the city's industry. An eight-month pilot period with UF and other filtration technologies preceded the selection. During piloting Pentair X-Flow's membranes showed outstanding performance. This, combined with the company's track record and project management capabilities, led to the selection of Pentair X-Flow.

THE SOLUTION

The client requirements chemical resistant, solvent free, non-slump adhesives for bonding ceramic tiles to concrete and masonry in the pump stations, Fosroc has offered its product that comply with the client Specs.

Nitotile 489 and Nitotile EP Grout has been offered by Fosroc and approved to be applied for all the internal and external walls in the project

THE BENEFITS

- As per client request proposed material given better satisfaction, especially non-slump on vertical application.
- Made the consultant, client happy since, tile fixing was easy on vertical, even no need to hold the tiles for fixing.
- Done the whole surface within the time limit.
- Nitotile 489 meets all the specification requirements by MARAFIQ.



Surface Preparation



Tile fix using Nitotile 489



Completed project