KYNAR® PVDF
WATER FILTRATION MEMBRANE
CASE STUDY

KYNAR® MG15 AT SEA WATER TREATMENT
PLANT IN A CEMENT PLANT

Nuh Cement
Korfez-Kocaeki, Turkey

Membrane Partner
Akkim
www.akkim.com.tr
KYNAR® MG15 FOR A SEAWATER TREATMENT PLANT IN A CEMENT PLANT

Key facts about Nuh Cement

- Founded in 1966 and having a production capacity of 5.7 billions tons of cement per year
- Sea water treatment plant with a capacity of 17 000 m³/day established in 2007
- UF Modules function as RO pre-filters

Value chain

<table>
<thead>
<tr>
<th>Raw material manufacturer</th>
<th>Membrane manufacturer</th>
<th>System Integrator</th>
<th>End-User</th>
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<tbody>
<tr>
<td>ARKEMA KYNAR®</td>
<td>Akkim akualys</td>
<td>ESLI</td>
<td>Nuh</td>
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Feed Water:
- Turbidity <10 NTU
- TSS <10 mg/L
- pH 7.5-8.5
- Conductivity 35000-60000 µs/cm

Water segment: Desalination

CIP:
- Expected frequency once a year

Backwash:
- Low Chemical consumption
- Caustic & Acid & Chlorine

Flux: 62 l/m²h
Capacity: 720 m³/h

*Kynar® G150 is the granular form of Kynar® MG15
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