

# Tengiz refinery

## Case study 2013

**Focus products:** Intergard® 251 (75 µm)  
Chartek® 1709  
Interthane® 990 (75 µm)

**Location:** Kazakhstan

**Project owner:** Chevron

**General contractor:** MultiCorr

**ISO12944 environment:** C5-I

**Project size:** >2,100m<sup>2</sup>



Existing cementitious fire protection



In 2013 an extensive maintenance program was undertaken to replace failing cementitious passive fire protection on the recommendation of the site safety team. The excellent workability of Chartek® 1709 meant no delays on the maintenance program were recorded during the winter. During the winter months temperatures as low as -40°C have been recorded. In the summer the temperature swing can increase by 80°C from this low to +40°C. Chartek's proven durability and excellent application properties were what lead the site team to select its use. The failing cementitious replacement program is still on-going.

