



Tenghiz, a region of Kazakhstan, possesses the sixth largest oil field reserves in the world; recoverable crude oil reserves from Tengiz and Korolev fields combined have been estimated at 6 to 9 billion barrels (950 x 106 to 1,400 x 160m³). Passive Fire Protection (PFP) plays a crucial role in the safe design of modern oil, gas and petrochemical installations for asset owners. A local Kazakh contractor, Multicorr, wanted to enter this lucrative business sector as a PFP applicator for various asset owners in Kazakhstan.

Complete ratio assurance with total job accountability

The company owner, Mr. Gabit Utkelbayev, consulted his material supplier and local Graco distributor, Gateway, for the requirements to enter this market. After reviewing all the mechanical PFP rigs available in the market, Gabit opted to invest in Graco's XM PFP rig.

"After studying the old design of mechanical machines, Multicorr did not want to be a 'me-too' company. We wanted to be the first intumescent applicator in Kazakhstan who could offer our current and future customers complete ratio assurance with total job accountability – something Graco's product gives us with its reporting features", explained Mr. Utkelbayev.

Personal application and maintenance training

Before starting the on-site application, Multicorr received intense applicator training from the material supplier International Paints. The distributor, Gateway, trained Multicorr's applicators on the use and maintenance of the XM PFP rig with Graco personnel.

The operators perceived the XM PFP's ADM (Advanced Display Module) as very easy to understand. Mr. Galibekov, the paint site supervisor of Multicorr, said "My cell phone is more difficult to understand than this machine's display. We understood its operation and learned its functions very quickly."

The Chartec products (Chartek 1709 / Chartek 7) were successfully tested with Graco's XM PFP rig, meeting the required equipment standards set out in the Chartec application manuals and the International Paint Application Engineers and Certifiers.

Graco's XM PFP puts Multicorr in a position to offer various local and foreign asset owners in Kazakhstan the peace of mind that their intumescent applications will be as specified, but also within requested project deadlines.

END USER

MULTICORR
Corrosion & Inspection Services
Atyrau/ Kazakhstan

Industry market sector

Fire protection of steel in the oil and gas industries

CONFIGURATION

- 262878 System XM PFP, 11,4 litre/max output
- Viscon gun with 429 tip
- Merkur 30:1 flush pump
- 400v 3ph
- 15m ¾" hose (16T122)
- 8 m ¼" whip hose (16T121)
- Heat 70C

Supply and agitation

- 24P202 Supply unit, PFP, shipping
- 2 x 20 liter CheckMate pumps
- 2 x 76 liter pressure tank with level sensor
- 24P885 XM PFP feed module agitator

APPLICATION

Epoxy intumescent coatings

Consumption

400 kg of material was applied for tests.
Project value for the subject LPG park in this year – 20.000 kg

Material specifications

CHARTEK 7

Typical properties

Color Medium Grey

Gloss Level Not applicable

Typical Thickness Depends on protection required

Density 1000 kg/m³ – spray applied

Method of Application Hot twin feed airless spray

Drying Time: 40°C (104°F) – touch dry at 1 hour, hard dry at 4 hours

Flash Point: Base >106°C, Hardner >106°C, Mixed >106°C

VOC 1 g/l, 1 g/kg EU Solvent Emissions Directive (1999/13EC)

Mix Ratio always mix full units unless application is by hand

Working Pot 15°C (59°F) 25°C (77°F)

Life 90 minutes 50 minutes unless application is by hand

Working Pot 15°C (59°F) 25°C (77°F)

Life 90 minutes 50 minutes

GRACO Equipment

262869 Graco XM PFP
262854 XHF spray gun



GRACO Distributor

GATEWAY VENTURES
PFP Distributor in KAZAKHSTAN
7A, Kabanbai Batyr St., 050100,
Almaty, **Kazakhstan**
Phone: +7 727 356 1000
Fax: +7 727 356 1001
www.gvcal.cmo

Contact Graco

For more information go to www.graco.com

To contact us, mail info@graco.be

Want to receive more success stories? Register on <http://news.graco.eu.com/>

Want to share YOUR story? Go to www.graco.com/MyStory

