

# Graco XM™ PFP used at world's sixth largest oil refinery



## CASE STUDY

### High-profile project requires specialized equipment

In Khabarovks, a region of Russia undergoing major oil exploration, owners of Khabarovsk Oil Refinery hired Elga LLC to coat pipe racks with Chartek® 7 fireproofing material. Elga is a qualified Chartek applicator.

When Elga learned that AkzoNobel, manufacturer of International® protective coatings and passive fire protection products, endorsed Graco's XM PFP as approved application equipment for Chartek® 7, it consulted Pavel Khomenko, Graco's protective coatings business development specialist in Russia. Working through distributor Anticor Composite, Khomenko proposed using the XM PFP.

### Local training and immediate support

"Traditionally PFP machines are supplied to Russia from manufacturers in Germany and United Kingdom," explained Alexey Bryansky, Elga's engineering manager. "We liked Graco's local business approach of working through professional, Russian-owned companies like Anticor. We get immediate support, training in our native language and we don't need to wait for someone to travel from the UK or Germany when we have a problem."

### Double productivity

Applying the same product with trowels would normally take Elga one working day to coat 143.5 square yards (120 square meters) with on-site conditions. Graco's XM PFP increased production to 418.6 square yards (350 square meters) per day with a two-inch (five-centimeter) dry film thickness build-up per coat.

Bryansky added: "After purchasing Graco's XM PFP, we've managed to double our productivity. This is really important, as weather deteriorates fast in this region now that autumn is approaching. Thanks to the professionalism of Graco and the local Graco distributor, we were able to start the job immediately after the purchase of the unit."



*Due to the equipment's ease of use, Russian contractor Elga LLC got the Graco XM PFP up and running immediately after purchase and went on to double job productivity.*

For more information, contact us at 1-800-746-0883 or [info@graco.com](mailto:info@graco.com). Visit us at [www.graco.com](http://www.graco.com)

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# SPECIFICATIONS

## END USER

ELGA, LLC

## INDUSTRY

Oil refinery

## APPLICATION

Epoxy intumescent coatings

### Material Specs:

- Name of Material –  
Chartek® 7
- Material Supplier –  
AkzoNobel -  
International® branded products

### Typical Properties

- Volume Solids: 100%
- Density: 62.4 lb/ft<sup>3</sup> (1000 kg/m<sup>3</sup>),  
spray applied
- Method of Application:  
Two component heated plural  
spray unit; modified airless spray unit
- Drying Time:  
104°F (40°C), touch dry at 1 hour,  
hard dry at 4 hours
- Flash Point: Base, Hardener and  
Mix > 223°F (106°C)
- Working Pot:  
59°F (15°C), 77°F (25°C)

## GRACO EQUIPMENT

- XM PFP Plural Component Sprayer

## CONFIGURATION

- Primary Heaters: Viscon® HF
- Applicator: XHF spray gun with 429 tip
- Flush Pump: Merkur® 30:1
- Hose: 3/4 in x 50 ft (19 mm x 15 m)
- Whip Hose: 1/4 in x 25 ft (6.3 mm x 8 m)

### Supply and Agitation:

- Supply unit, PFP, shipping
- 2 x 5 gal (20 ltr) CheckMate® pumps
- 2 x 20 gal (76 ltr) pressure tank  
with level sensor
- 2 x 20 gal (76 ltr) pressure  
tank with level sensor
- XM PFP feed module  
agitator

