



Chelyabinskii Metal Construction Plant (CZMK) is a Russian company that serves big contractors who build stadiums, concert halls, trade centres, etc. They use approximately 10 kT per month of a very expensive primer, Jotun Penguard Espress ZP, and enamel, Jotun Hardtop AS.

The primer is an intermediate coating for corrosion protection of steel and other substrates exposed to the atmosphere where fast dry-to-coat and/or dry-to-handle times are desired. The coating can be used alone, or in combination with various other primers and top coats. The enamel coating is a two-pack polyurethane top coat with excellent gloss and colour retention.

The company wanted to save a minimum of 10% on the paint cost. The local Graco distributor, General Engineering, recommended using electrostatic technology with the Merkur 30:1 unit.

Easier process & increased quality of the paint surface

Before CMZK started using Graco's electrostatic spray units, they used another brand of airless technology pumps. After a spray test using Graco electrostatic technology, the results were very encouraging: thanks to the new technology, savings of approximately 15% were noted. There was less overspray compared to airless technology and painting time was reduced. The painting process became easier and the quality of the paint surface increased.

END USER

Metal construction «CZMK»

Industry market sector

Protective coating

CONFIGURATION

APPLICATION

Contractor market

Material specifications

primer Jotun Penguard Express ZP,
paint resistance 250 Mom cm

enamel Jotun Hardtop AS
paint resistance 10 Mom c

Typical properties

Hardtop AS is a two-pack polyurethane topcoat with excellent gloss and colour retention.

Jotun Penguard Express ZP is an anti corrosive primer and/or intermediate coating for corrosion protection of steel and other substrates in atmospheric exposure where fast dry-to-recoat and/or dry-to-handle times are desired. Can be used alone or in various systems of primers and topcoats.

GRACO Equipment

Merkur Electrostatic packages
G30C75 – 2 units, with additional
hoses 15 m. Spray tips 315



GRACO Distributor

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