

## Painted Plastic Industry — Case Study

(Gardoprep® 5635/1 neutral plastic cleaner)

(Gardobond® Additive H 7359 rinse aid)

# Chemetall increases sustainability and lowers costs

Significantly reduces energy use and material waste



### Realized gains in process efficiency:

- ⊕ \$200,000 USD in energy savings from lower operating temperatures.\*
- ⊕ \$375,000 USD in savings in material waste due to improved quality.\*
- ⊕ Ambient temperature rinse aids.
- ⊕ Lower salts reduce filter maintenance.
- ⊕ Low conductivity and foam increase ease of use.

An international Chemetall plastic and rubber manufacturing customer in western Europe needed to improve an existing single step power wash prior to paint while reducing overall operational costs. The parts were Polypropylene/Ethylene-Propylene-Diene Monomer (PP/EPDM) and Acrylonitrile Butadiene Styrene (ABS) parts. Chemetall is a leading supplier of innovative cleaners and surface conditioners for the automotive industry.

### Learn about Chemetall's innovations!

- ⊕ Gardoprep® 5635/1 neutral plastic cleaner.
- ⊕ Gardobond® Additive H 7359 rinse aid.

\*Estimated

**BASF**  
We create chemistry

**Chemetall**  
expect more ⊕

# Our focus is you, our automotive customer.

## Previous process

Competitor A (neutral cleaner)

Operating concentration 0.5–1.5% by volume

High energy costs due to 55°C operating temperature cleaning

## Chemetall's process improvement

Gardoprep® 5635/1 neutral plastic cleaner, followed by Gardobond® Additive H 7359 rinse aid

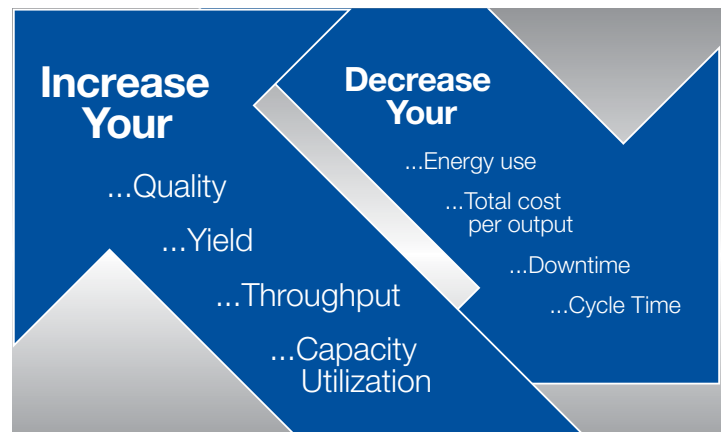
Operating concentration, 0.5% by volume

Estimated \$200,000 USD per year of energy savings due to ambient operating temperature cleaning and rinsing

## Cut it. Clean it. Coat it. Control it. Conserve it.® with us!

We are the Surface Treatment global business unit of the Coatings division of BASF, operating under the Chemetall brand, a leading supplier of applied surface treatments and services for metal, plastic, and glass substrates in a vast range of industries and end markets.

Our global specialists are locally available. Our experts provide focused, passionate, and accountable support. You can expect the highest quality from our integrated portfolio of innovative products. Our labs are fast and accurate. We will collaborate with you to increase the efficiency of your process performance.



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