

REDISCOVERED, AND NEVERTHELESS BRAND NEW: Iron II Chloride PIX 209W exclusive at ACAT!

Wuppermann is refining steel products - Kemira is refining the valuable production by-products and ACAT is marketing them. A highly successful triangle relationship with a future!



Wuppermann stands for experience and expertise in the manufacture of quality steel products — for innovative product development, streamlined production, and first-class finishing. Ever since its foundation in 1872, the family-owned company has pursued a strategy of long-term growth and the steady creation of value in the interest of its customers, employees and shareholders.

The latest expansion took place in Hungary with HungaryKft, a new gigantic plant for the production of flat products. With this plant situated in the port of Győr-Gönyű the family company has made the largest investment in

its more than 140 years of company history. Kemira has built an ultra-modern location with pickling and hot-dip galvanizing lines having a processing capacity of 500,000 tons of steel per year.

Wuppermann Hungary Kft., the new Wuppermann plant for flat products in Hungary.

„We have put our entire experience into this work, especially in the development of the hot-rolled strip pickling and galvanizing line. The test and commissioning phase with the first pickled material and the rampup curve

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for the first galvanized strip were carried out already in autumn 2016. The “first coil,” has already been produced at the new longitudinal section.” Carl Swoboda, the division manager for the distribution of flat and tube products says. „The first split belts have already been successfully processed for the future supply security of the two Wuppermann locations in Judenburg and Altmünster (Austria) and the trial operation is running smoothly,” Mario Dorfer, one of the two managing directors in Hungary, explains. Finally, at the beginning of this year, the production of the film-coated hot-rolled strip „WProtect“ started in Hungary. This is strip steel, protected by a zinc layer and an additional molten high-performance foil. The polyolefin film is applied on both sides immediately after the galvanizing process.

„This sounds simple, but in fact it is a very complex process, where an optimal combination of strip temperature and contact pressure results in an excellent chemical and mechanical bond between foil and galvanized steel strip,” Mr. Dorfer explains. „WProtect defies virtually any corrosion by wetness, mechanical abrasion or numerous chemicals. Decades of undamaged use, for example in sewage technology, proves this optimum corrosion resistance. „

Currently, Wuppermann Hungary employs more than 100 people. When fully operational, some 200 employees will be working at the Hungarian site. On the 100,000 m² site four production and logistics halls with a total area of approximately 32,000 m² have been built.



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The construction of the production facilities required:

- Backfill with approx. 400,000 m³ of rubble. This corresponds to approx. 36,000 dump trucks.
- Processing of 14,000 m³ of concrete. This corresponds to about 400 single-family homes.
- Use of 7,000 tons of steel. With this amount the Bayarena in Leverkusen could be built 2½ times.
- The strip galvanizing system weighs 3,200 tons. This corresponds to 1,600 Audi Q7.

The official opening of the site is expected to take place in September 2017.

What does a steel plant have to do with phosphate precipitation / elimination?

Steel mainly consists of iron. When iron is refined into steel, part of the iron dissolves and iron II chloride is obtained as a byproduct. It usually is mixed with pure hydrochloric acid to make it usable as a standalone product, and magnetite or waste iron is added to increase the iron content, however, valuable and unfortunately expensive raw materials have to be used.

Depending on the purity of the substances used, contamination may occur.

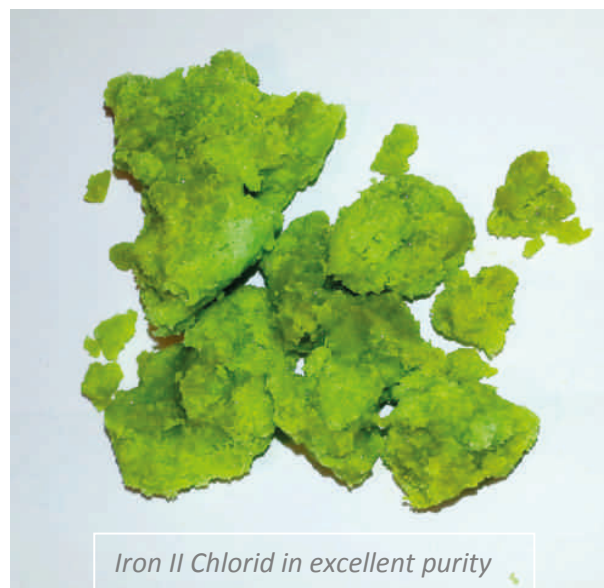
Kemiras Way to PIX 209W

With an optimized process developed by the Kemira Company it is possible to produce divalent iron salts in the highest concentration and in excellent purity by concentrating and

purifying. This process has extremely great economic and environmental benefits, so it has been easily approved by the Hungarian authorities. Constant quality controls ensure the consistently good effectiveness of this already proven innovative product.

Exclusive at ACAT: PIX 209W, a well-proven, and yet completely new product for phosphate precipitation

Kemira and ACAT have committed themselves to supply the Wuppermann Group with the required chemicals and to market PIX 209W used as a precipitant in the environmental technology. We are very pleased to expand our portfolio in the field of phosphate precipitation with this new product and to offer our customers another “intelligent product”! See the following article for details on PIX 209W. For any further questions, at any time our employees are at your disposal with advice and assistance!



Iron II Chlorid in excellent purity

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