



Newsletter December 2014

Nr 4 2014

Despite Environmental and Chemical plans - Galvanized steel is used in facades in Stockholm!

We have in previous newsletters repeatedly told about the problems that exist in Stockholm, where the Stockholm Environmental Agency introduced restrictions of the use of certain metals in roofing and facade materials, including zinc. An architect company that defies this and manages to get through their projects is Joliark, who previously designed the galvanized buildings in the area called "De gamla vännerna" in south of Stockholm, and now also the Octapharma Chemistry Station close to Stockholm city and the residential buildings in the neighbourhood Annedal in Bromma, west of Stockholm.

Octapharma Chemistry Station

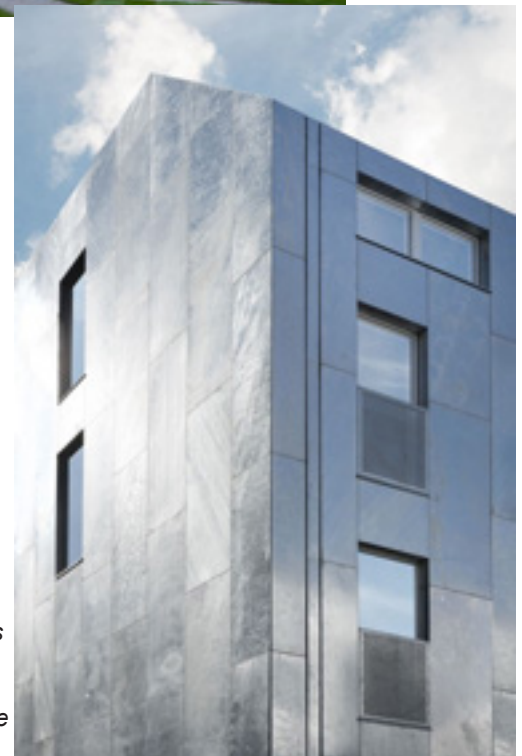
The building belongs to the category "Industries in cultural heritage" and was built by the developer Octapharma. The architect Joliark describes the building as follows: "Adjacent to the large brewery in Hornsberg we have drawn a smaller logistics building for, among others, freight and waste disposal from Octapharma factory building. Facade material consists of galvanized sheet steel, mounted on an underlying frame of steel and insulating. The scope is about 700 m² and the construction year was 2011. (Architects: Hans Linnman and others.)"



Residential building in Annedal north of Stockholm

The developer of the property is Reinhold Gustafsson Management/HMB Construction. Reinhold Gustafsson Management is also the developer behind the house with galvanized facade erected in the environment profiled "Djurgårdsstaden", and the residential buildings in the neighborhood "De gamla vännerna", mentioned above. The houses in Annedal comprises 44 apartments and the construction has been ongoing during the period 2012-2014. The company HMB Construction has been the general contractor. Joliark describes the buildings as follows: "The project consists of two houses built according to the same clear structure. The higher house located towards the street has a facade that reminds of a "doll-house" - generous balconies on two floors that reflects the apartments content. The house located towards the

Beautiful facade of galvanized steel.



The drainpipes are placed under the facade plates to create a plain corner.

alley is lower and has a more small-scale character with patios in the lower level facing the street. On the courtyard side the two buildings are connected by a system of cooling passages. These are accessed via detached stairwells." The architect Per Johansson has worked a lot with what he calls "design language", which in this case means that the facade is very smooth. Windows and railings are integrated into the facade and, for example, even drainpipes are built in. On the roof a geisim pipe that

takes care of rainwater flush is placed under the hot dip galvanized plates. The facade panels is about 2 x 1 m and has invisible fixings. Each plate is 3 mm thick and stuck in a welded framework, that is placed directly on the concrete wall. All sheet metal work is done in Latvia.

- We have looked, but no Swedish companies could do this, says architect Per Johansson at Joliark in an interview in the magazine Room.

This building, and the other buildings designed by Joliark and built by Reinhold Gustafsson Management / HMB Construction, is very interesting, but it is sad that the facade is not hot dip galvanized by any of NG:s members. Maybe it's because Joliark has not found any blacksmith in the Nordic countries that has been able to produce plates with invisible fixings. The galvanizing had definitely been possible to do here. Hot dip galvanized facades may not be the biggest business segment today, but is still a very interesting application because it takes a relatively high number of plates. It also markets galvanized steel in new applications and shows that it is possible to use even where environmental standards are strict. There is a need for increased cooperation with blacksmiths and construction companies to begin the manufacture of facade elements with clever mounting solutions in the Nordic countries. The architect Per Johansson on Joliark has drawn both "De gamlas vännar" and the houses in Annedal. We will invite him to Nordic Galvanizers Spring Conference in Stockholm and ask him to tell us about how he thinks when he chooses galvanized facade, and how he argues for getting approved to use this material, despite the current limitations in Stockholm.

The Water Framework Directive

We have on several occasions informed about the so-called Water Framework Directive (WFD) where we have told that the zinc industry through joint efforts managed to avert that zinc was listed as a "priority substance". It is currently an ongoing review of the WFD, and at the last EGGA Committee meeting in Liverpool Frank Van Assche from the zinc producers' association IZA, informed about the latest news regarding the water framework directive. So far, zinc has not been classified as a priority substance, but is instead included in what is called "specific pollutants", selected at national level. But in the new revision zinc is back into focus as a candidate for priority substances. The authorities are interested to check the quality of earlier measurements of zinc concentrations collected in different countries around Europe. New measurements are made, and there are debates about national surveillance data and if the bioavailability (as industry advocates) should be considered or not. In some countries there are point sources with high zinc levels, for example in Cyprus and Slovakia, which worries the authorities. These point sources are often due to historical mining and industrial activities. The limit of zinc in water established by the European Commission is 10.9 µg Zn/l, after correction for bioavailability. Currently the Swedish authorities have suggested a lower value than this for Sweden, which is something we are discussing with the authorities for the moment.

Reorganization within EGGA

EGGA's secretary for many years, Frances Holmes, will

retire in the spring of 2015. Because of that it will be a change both in the way EGGA works and in the location of EGGA's office. Financial administration (payments, banking, etc.) will be placed on an external function and is estimated to take one day per week to complete. The formal role of company secretary with legal responsibility will be transferred to EGGA's Director Murray Cook. A new person will be recruited to be responsible for the remaining functions, with particular emphasis on conferences, meetings and internal communications. The new way to work, in combination with moving of the office, is expected to provide a significant cost reduction. Today the office is located in Caterham on the outskirts of London, which is close to Frances Holmes home, but with a considerable commuting distance for Murray Cook. EGGA's new office is proposed to be localized to Birmingham, where Murray has his residence, and where there is also an international airport.

Approved Galvanizer

Efforts to develop a system for certification of galvanizers who are suppliers to steel manufacturers that CE mark their products is in progress according to plan. The work with the certification will be led by a committee of representatives from Nordic Galvanizers, Nordcert, the galvanizing industry (NG members) and the customer side (steel manufacturers). The Committee owns the certification and take decisions about rules, requirements and regulations. The first meeting with representatives of these four parties took place at Nordcert's office on 18 December 2014.

We believe that cooperation within this group, where representatives of both galvanizers and customers has the opportunity to meet and discuss, will benefit the galvanizing industry in the Nordic countries. We noticed right away that there were many interesting questions, and that a larger exchange of information will provide a better product. High quality, fewer deviations / complaints and a more satisfied end customer, who remains to choose galvanizing for corrosion protection, is part of the purpose with the certification. We are very glad that Björn Uppfeldt, former CEO of Stålbyggnadsinstitutet and now CEO of Mechanical Works of cities Association, MVR, accepted the invitation to participate in the Certification Committee. We will also invite some of MVR's members to participate in the committee.

We will return as soon as possible with information about the initial meeting about the certification, which we plan to hold in the latter part of February.

