



A Tata Steel Enterprise



Case Study

Residential development "Sechten" in Rüti (ZH), Switzerland

Products:

2'900 m² MONTAFORM® Design 35-5/250
180 m² MONTALINE® 26/300

Building owner:

Antonia und Benjamin Zweifel, Rüti (ZH), Switzerland

Client:

Blemo AG, Dürnten, Switzerland

Architect:

Architekturbüro H. Baumgartner AG, Rüti (ZH), Switzerland

General contractor:

Archbaum Management AG, Rüti (ZH), Switzerland

Realisation:

2019 / 2020



Universal instead of uniform

Harmonious façade design of a residential neighbourhood with individual design profiles by Montana.



Urban living with a view of the countryside: a newly built residential complex in Rüti (ZH) offers its residents just that. Five architecturally appealing apartment buildings with 48 rental flats and 26 condominiums provides proximity to the city and (a breath-taking oder stunning) mountain panorama. Additionally, to the panorama the look of the building's outside is also spectacular: sophisticated forms and a playful designed façade make the buildings a special eye-catcher that is completed in 2020 by the architect H. Baumgartner who is also based in Rüti. Nevertheless, the buildings fit harmoniously into the more conventional development of their surroundings. This balancing act was achieved with MONTAFORM® DESIGN profiles from Montana Building Systems Ltd. in Villmergen: Planners have a free choice in the shape of the façade profiles but also in the type of metal, colour and coating.

Being close to the hustle and bustle of the city is nowadays essential for many people. Nevertheless, in fast-moving times, people are increasingly seeking the peace and quiet of nature. Lucky the ones who can find both at the same time - and ideally in the same place. For example, in the newly built "Sechten" area in Rüti (ZH). A total of 74 residential units of

various sizes were created in five buildings. Only about four kilometres from Lake Zurich as the crow flies, the residents enjoy the best of both worlds: For example, from the expansive balconies you can enjoy a breath-taking view of the mountains. The local recreation areas also include the Rütliwald forest with its ramified walking paths and the extensive area

of the Jonawald forest along the river of the same name. The city centre with its shopping facilities, banks and medical care is only a few hundred metres away and public transportation is within walking distance. For those who like to enjoy more culture, the metropolis of Zurich, just 30 kilometres away, has everything a city dweller could wish for.

Perfectly integrated and still special

Between 2019 and 2020, the architectural office of H. Baumgartner integrated a new residential complex into this idyll: The buildings accommodate four full floors and a penthouse with a surrounding roof terrace. Astonishing: Despite the architecturally unusual form –round and yet angular with only a few right angles at the same time – the houses adapt particularly harmoniously into their surroundings. Greened roofs flatter the landscape as much as the special façade

design: an interplay of the slender floor-to-ceiling window elements and the vertical zigzag structure of metal façade panels seems to pick up on the look of the tall trees that line the area. Products from Montana Building Systems Ltd. were used for this special effect. Their filigree façade profiles from the so-called MONTAFORM® DESIGN line qualify for use wherever an unusual design of the building envelope is desired and are therefore increasingly used in residential construction. In fact, they enable architects to design their own personal profile and to determine the profile

shape, metal type, colour and coating themselves. In addition, the use of the profiles made possible to solve a challenge on site: The numerous windows had to be secured with waist-high railings in the French manner due to their floor-level design. Thanks to the appropriate strength of the Montana profiled sheets, a stable installation of the railings could be guaranteed without any problems. In addition, the MONTAFORM® profiles are fastened in a concealed manner to ensure an aesthetically pleasing flow between the individual panels of the ventilated steel façade.





Fascinating colour worlds and long durability

At optical level, the colour play of the MONTAFORM® profiles is convincing as well in Rüti: The responsible people chose a so-called PRISMA® coating in colour "Ephyra" for the approximately 3,000 square metres of clad in order to integrate the buildings harmoniously into their natural surroundings. Shimmering moss green and light brown, the fascinating tone is reminiscent of the nearby forest and the surrounding buildings in equal measure. However, there is no need to say that aesthetics is not the only thing that should play a role in a building envelope. The PRISMA® coating used is based on a three-coat technology that withstands even

the highest demands in terms of corrosion and UV resistance. Accordingly, the facades are considered to be particularly durable – which is a huge plus from the economic point of view. The secret of the metallic coating is a special mixture consisting of 95 percent zinc and five percent aluminium: In addition to increased barrier protection, it also provides excellent corrosion protection. The special PRISMA® coating is completed with a robust top layer, which protects the profiled sheets against scratches and abrasion. This means also that the façade requires low-maintenance.

Close to nature – also in technology

However, in the new residential quarter in Rüti, it is not only the durability of the steel

façade that bears witness to a successful approach to the issue of sustainability: in the planning and construction of the area, the state of the art energy technologies is also implemented in the interests of a responsible use of resources. For example, the heating and hot water concept of the buildings combines a geothermal heat pump with supporting solar systems on the respective roofs and in this way also contributes to sustainability in the usage life. Wood-metal windows with triple insulation glazing also ensure that the heat stays where it belongs – and at the same time pay tribute to the natural appearance and forest-like location of the neighbourhood.

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