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semper velox

VELOSIT-NEWS

semper velox

For about 3 years VELOSIT has been present in the market with its rapid product systems. In this newsletter we would like to keep you updated with ongoing projects and other recent developments. We decided to make "Semper velox" an information platform for our partners and plan to report interesting topics from the „VELOSIT World“ on a regular basis. „Semper velox“, our company's motto is latin and means „always fast“. VELOSIT offers quick solutions to construction projects where time is a critical issue, be it a project running behind schedule or where a tight time frame was originally put in place.

VELOSIT systems are being used in more than 40 countries and we would like to present in this newsletter a few projects from around the world.

We will increase our production and warehouse capacity in 2019 to meet the increasing demand. We have just applied for the building permit to start with our second warehouse which will have raised loading docks for quicker loading of sea containers.

I would like to use this opportunity to thank all our current partners for their trust that has carried us from a „start-up“ to this point!

I wish you an interesting read.

Yours,

Dr. Jens Hofele





Indoor Company Adventure at the Kartbahn

Semper velox - Always fast was the motto for the **VELOSIT**-team on the indoor cart race track in Werther. A 20 minute qualifying time determined the starting positions for the subsequent race.

The track with long straight sections and distinct bends and curves gave an exciting mix of top-speed and G-force.

In the end the whole **VELOSIT**-team was winner of this amazing event. The excursion ended with a nice dinner at an Italian restaurant.

Avita Apartment Complex in Guatemala City



The 17 story high profile Avita apartment complex in Guatemala City was newly constructed relying on **VELOSIT** waterproofing solutions in various applications. Balconies, bathrooms, planters and the sewage treatment plant were waterproofed using **VELOSIT® WP 101** and **WP 120**. Floors and concrete walls were leveled with **VELOSIT® RM 202**. But the highlight of the project is the pool area which was designed and installed by Watermania.

Watermania is a specialist for high profile pool projects who realize swimming pool projects in Central America and the Caribbean with **VELOSIT® WP 120** and our joint tapes as their standard waterproofing system.

Total quantities installed:

VELOSIT® WP 120: 16 t

VELOSIT® WP 101: 4 t

VELOSIT® DB 830: 3.000 m

VELOSIT® RM 202: 50 t

VELOSIT is now a sponsoring member of the German Association for Screed and Floor Coverings



As of today we will support the BEB association's activities as a sponsoring member.

BEB is an information and communication platform for the entire German flooring sector. The flooring contractors' federation is focused on securing the highest quality standards for floor installations. It is the foundation for permanent success, which we are glad to support.

All BEB associated companies and experts ensure the best possible application standards.

Know-How Seminars

From October 24th to 26th we had the pleasure of hosting 25 guests from 8 countries at our premises in Belle. Exciting presentations and practical demonstrations on flooring systems, concrete repair and waterproofing were offered to the participants in two very eventful days. In addition to the brand-new self leveling overlayment; **VELOSIT® SL 507** which delivers impressive abrasion resistance, the new moisture-control plaster; **VELOSIT® KP 230** and the latex emulsion; **VELOSIT® LE 910** were also introduced.

The program concluded with a demonstration of our spray applied, highly flexible waterproofing slurry; **VELOSIT® WP 120**. Our satisfied guests left on Friday afternoon full of new ideas and drive.

For 2019 we have already scheduled the following training seminars:

| | |
|-----------------------|---|
| February 19th to 20th | Product program (English), Sydney |
| March 6th to 8th | Product program (English) Horn-Bad Meinberg |
| March 15th | Flooring (German), Horn-Bad Meinberg |
| October 23rd to 25th | Product program Horn-Bad Meinberg |



Restoration of the Sunbury Waste Water Treatment Plant (Australia)

Several basins of the waste water treatment plant in Sunbury (close to Melbourne) were heavily deteriorated by the aggressive environment and needed refurbishment. During the 6 week revision time, the concrete was reinforced with a 2 – 8 cm (approx. 1"-3") coat of the rapid-strength-gain repair mortar; **VELOSIT® RM 204**. The basins were additionally protected with a coating of the flexible waterproofing slurry; **VELOSIT® WP 120**.

Total quantities consumed were:

VELOSIT® RM 204: 150 t
VELOSIT® WP 120: 15 t
VELOSIT® DB 830: 1.000 m



Roof Coating on the new Nivea Plant in Sanand (India)

The traffickable rooftop of Nivea's new production facility extension in India was leaking in various areas, especially at the expansion joints and upstands. These joints and upstands were treated with our joint tape; **VELOSIT® DB 830** in combination with the flexible waterproofing slurry; **VELOSIT® WP 124**. A total of 400 m of joint tape and 10 tons of **VELOSIT® WP 124** were used on this project.

Total quantities consumed were:

VELOSIT® DB 830: 400 m
VELOSIT® WP 124: 10 t

Just one day after the application an unexpected monsoon shower left several inches of standing water on the roof.

gram (English),
 einberg



Roof Restoration in Sections at River House, New York

The roof waterproofing of the River House complex on the Hudson in New York needed complete replacement as the substructure was falling apart in large areas. The restoration could only be done in sections as it was mandatory to have a functioning waterproofing at all times. Sections of 10 – 30 m² (100 – 300 ft²) were removed down to the concrete rooftop and immediately leveled with the repair mortar; **VELOSIT® RM 203**. Within 2 hours the repaired areas were coated with a PU roof waterproofing. **VELOSIT® RM 203** was chosen as it gains sufficient strength rapidly and dries quick enough to allow the application of moisture sensitive PU coatings. As of December 2018 some 40 tons of **VELOSIT® RM 203** were installed. Upon completion, the project will require an additional 80 tons.

Refurbishment 23.000 sq.m. Warehouse Floor

A warehouse complex near Guetersloh, Germany needed the replacement of a Magnesia screed. The floor was in bad condition and patched in several spots with various products. The old flooring material was removed by scarifying to a depth of 30 mm (1 1/4") approx. and then shotblasted. The floor was primed with an epoxy primer broadcast with sand to rejection. The surface was afterwards covered in sections of 2,500 to 6,000 sq.m. (27,000 to 64,000 sq.ft.) with a cementitious self leveling overlayment based on **VELOSIT® SC 253** at a thickness of 12 mm (1/2"). The compressive strength exceeded 40 MPa (5,800 psi) after one day. The owner decided to polish the surface to obtain a glossy finish and finally applied a sealer.



Cementitious Flowable Screed in the Elbphilharmonie

While the Elbphilharmonie was opened with a huge ceremony in January 2017 most of the penthouse apartments on levels 11 to 26 on the rear end of the building were still in the structural works stage. To minimize disturbance, the screeding works could not be done as normally common with Diesel fueled screed pumps. For this reason the complete screed volume for the 44 apartments was brought in through the elevators in bags and then installed floor by floor using an Mtec Duomix 2000 pump. All bathrooms and one complete apartment received the **VELOSIT® SC 244** floor.

Total quantities consumed were:

VELOSIT® SC 244: 120 t



NEW

New Highly Abrasion Resistant Self Leveling Overlayment **VELOSIT® SL 507**

VELOSIT® SL 503 has proven to be a fantastic product for underground parking garages and various warehouse floors. But every now and then the requirements in such facilities where high abrasion or where heavy equipment with metal wheels exceed the limits of such a tough product.

For such special requirements we have developed the new self leveling overlayment; **VELOSIT® SL 507** that comes with a high compressive strength of more than 65 N/mm² (10,000 psi) paired with very high abrasion resistance (class A3 acc. EN 13813) and a Class R10 slip resistance. This product is a very easy to apply alternative to the conventional semi-dry consistency, metallic screeds





VELOSIT is a young and innovative company. We combine decades of experience in R&D, production and consulting for high performance construction materials which are fully conversant with modern construction techniques.

Our mission is to make construction faster, easier and less tedious. **VELOSIT** products allow you to finish your project significantly faster without compromising on quality.

VELOSIT supplies the construction industry with state-of-the-art alternative solutions. Production „made in Germany“ stands for uniform quality to the highest standards.

If you have questions - just give us a call!

We can individually tailor a suitable solution for you. Our service and technical support will gladly help.