DUAL SILOS FOR LATICRETE SUPERCAP AND AGGREGATE

REMOTE-CONTROL CRANE DELIVERS SUPERSACKS FROM STREET TO SILO

CEMENT AND WATER HOSES

PUMP UP TO 50 STORIES

BACK-UP PUMP SINK

LONG-ARM ARTICULATING CRANE DOES ALL THE HEAVY LIFTING

PUMPS 30,000 LBS AN HOUR, EQUIVALENT TO 600 SMALL BAGS AN HOUR

NO ELECTRICAL HOOKUP REQUIRED, GENERATOR ONBOARD

COMPUTER CONTROL FOR CONSISTENT MIX ALL DAY

AUTOMATED USAGE REPORTS

NEWS & EVENTS
LATICRETE EXPANDS RESINOUS FLOORING LINE WITH THE ACQUISITION OF SOLEPOXY IN BRAZIL

FEATURE FOCUS
VIECO PHARMACEUTICALS JAFZA - UAE

MOHANDIS CORNER
DETERMINING SELF-LEVELING UNDERLAYMENT ELEVATION REQUIREMENTS
The first quarter of 2018 has seen some significant developments for LATICRETE M.E. as we aim to expand our product offerings in the region. An exciting development has been the acquisition of Solepoxy Ltda. in Brazil, by LATICRETE International. This is a significant advancement, as it not only gives us a stronger foothold within the Brazilian market, but also allows us to leverage the technology of Solepoxy to provide a complete range of floor coatings such as epoxy, urethane, polyaspartic and epoxy terrazzo. Operating under the name LATICRETE® SOLEPOXY®, the shared experience and technical expertise will allow for a full range of high quality flooring systems to be developed and offered to clients across LATICRETE Middle East & Africa.

We also had a strong showing at the Big 5 Saudi and I would like to thank all of our clients, colleagues and industry partners for visiting us at the show and making it a success. Our team in Saudi Arabia did a great job representing LATICRETE M.E. and with our live product demonstrations at the show. These demonstrations helped visitors understand the ease of applying LATICRETE products and presented them with an opportunity to test the quality and reliability of LATICRETE solutions. At LATICRETE we have always believed in sharing industry knowledge with our colleagues and partners, as a way to improve learning and develop an insight into the industry. In this issue, we look at ways of determining self-leveling underlayment and elevation requirements. Self-leveling cements are indeed a faster and more efficient method to achieving a flat floor, however, without proper preparation prior to installation, they can fall short of their intended goal. In our Mohanid Corner, you can find an overview of using specific tools for creating a floor map, prior to the use of a self-leveling underlayment.

With a focus on solutions for flooring systems, The LATICRETE® SUPERCAP® System combines our industry leading, patented pump truck technology and innovative products to deliver perfectly flat, dry floors. With our Feature Focus, we take a closer look at how the LATICRETE SUPERCAP system was successfully used to deliver perfectly flat floors for our clients VIECO Pharmaceuticals, in JAFZA.

With LATICRETE SUPERCAP you have; perfectly flat, dry floors, delivered faster, safer and greener.

Ritesh Singh
General Manager
LATICRETE Middle East and Africa
LATICRETE EXPANDS RESINOUS FLOORING LINE WITH THE ACQUISITION OF SOLEPOXY IN BRAZIL

We are proud to announce that LATICRETE International recently concluded the acquisition of Solepoxy Ltda. in Brazil. Solepoxy is a producer of high quality resinous floor coatings such as epoxy, urethane, polyaspartic and epoxy terrazzo. With the company now operating under the name LATICRETE® SOLEPOXY®, the strategic acquisition provides access to new products and technologies, and compliments the current LATICRETE® product lines.

Announcing this exciting news, Erno de Bruijn, President & COO, LATICRETE International Division states, “This acquisition is an important part of our strategic plan to become a full line supplier in the flooring industry worldwide. The technology, experience and reputation that SOLEPOXY brings us in the area of resinous floor coatings will be leveraged in all our other international business units outside Brazil. It also brings us back into the Brazilian market itself, where the LATICRETE brand has been present for over 20 years.”

LATICRETE M.E. HAD A SUCCESSFUL SHOWING AT THE BIG 5 SAUDI

We would like to thank all of our clients, partners and industry colleagues for visiting us at The Big 5 Saudi in Jeddah. It was great to see the excitement surrounding our latest product innovations, including our patented SPECTRALOCK® PRO Grout technology. Our team from Saudi Arabia had a busy few days at the show, with live demonstrations and providing technical insights into the ease of LATICRETE product applications.
VIECO PHARMACEUTICALS - JAFZA

Vieco Pharmaceuticals was founded in 2014 in response to the tremendous market need for high-quality medicines in the region, as well as for the need for the latest pharmaceutical production technologies while complying with the latest international standard – Good Manufacturing Practices (GMP), Good Laboratory Practices (GLP) and Good Distribution Practices (GDP). In that sense, Vieco will play an important role in improving the quality of local healthcare.¹

VIECO Pharmaceuticals has a mission to provide effective and affordable medicines that save and improve lives around the world. Along with producing pharmaceutical products, they had also planned for a state of the art medical storage facility, to store and retrieve their stock in a safe and secure manner. To achieve this, their priority started with having perfectly flat floors for the smooth and safe transport of the stored medicines. More so, they were working with strict project completion deadlines.

This was a perfect opportunity for the LATICRETE® SUPERCAP® System, which combines our industry leading, patented pump truck technology and innovative products to deliver perfectly flat, dry floors. Working with our applicator JEDAR Floors, the team from LATICRETE M.E. got right on the job.

THE CHALLENGE

The right substrate is important to ensure good bonding and working on an area of just over 3,300 m², immediate attention was required for the floor expansion joints that existed throughout the area. Upon closer inspection, the prior use of chemical sealers was also discovered on the floor surface. Thus, the proper surface preparation to seal the expansion joints and grinding the floor was essential to avoid any patchy issues with the substrate. As this was the medical storage area, the timely handover of a perfectly flat finished floor, was crucial to the client.

¹ http://vieco-pharma.com/overview/
THE SOLUTION

Post the grinding of the floor area to properly prepare the substrate, it was then primed and poured with LATICRETE® SUPERCAP® SC500, which is a pumpable and pourable, low alkali cement-based, premium self-leveling underlayment based on a proprietary mineral binder system that is used to finish interior concrete and level uneven floor surfaces.

FAST, LOCAL DELIVERY OF LATICRETE® SUPERCAP® SELF-LEVELING UNDERLAYMENT

The LATICRETE SUPERCAP System delivers blended self-leveling underlayment directly from our pump truck to the floor. The only thing that goes in the building is a hose, through which we deliver high volume, wet underlayment, equivalent to 600 bags an hour. Computer controlled blending ensures quality and consistency all day long and with faster back to work time meant faster completion time for the client. With our team onsite to supervise the job, the project was delivered to the client with 3 days, with a perfectly flat surface.

The only thing that goes in the building is a hose

Your team handles the hoses and installs the SLU

We deliver high volume, wet through the hose at equivalent of 600 bags an hour

Small, efficient job site footprint trades back to work in 24 hours

Computer controlled blending ensures quality and consistency all day long

Faster back to work means faster build times, saving time on your schedule
DETERMINING SELF-LEVELING UNDERLayment ELEVATION REQUIREMENTS

The term self-leveling has long been used to describe cementitious products that exhibit a high flow characteristic when compared to concrete, and cure to a smooth surface that is ideal for finished floor goods. Self-leveling cements are able to achieve their name by mimicking the flow characteristics of liquids while they are placed. This ability to act as a liquid is the chief benefit to using self-leveling underlayment’s in order to achieve a flat floor. Although self-leveling underlayment’s do indeed achieve a smooth and comparably flat surface, the term ‘self-leveling’ is in fact a bit of a misnomer. Different substrate characteristics and profiles can contribute to installations that can often appear flat, however, can remain canted or require more material in order to achieve the manufacturer’s recommended pour depths. Self-leveling cements are indeed a faster and the most efficient method to achieving a flat floor; however, without proper preparation prior to installation, they can fall short of their intended goal. The following information will outline a method of measuring the inconsistencies of a given floor and properly prepare it for the use of a self-leveling underlayment.

NIVCOMP DIGITAL LEVEL

The NIVCOMP digital level is a robust tool that offers many advantages over traditional layout and floor mapping methods. Using a liquid reservoir and hose line, the NIVCOMP is able to detect altitude differences and express them in either metric or imperial units. It requires no line of sight and is easily operated by a single individual. The tool is made up of a hose reel that contains a fluid reservoir, a 75 foot hose, and a handheld unit. It is important that the hose reel is not moved once the measurement process begins as it is used as a point of reference. Furthermore, when taking measurements, make sure the hose stays level and is not swayed during the measurement process as this could influence the readings.

NIVCOMP -- Hose Reel for Floor Mapping
NIVCOMP DIGITAL LEVEL

HOW TO DETERMINE A ZERO POINT

What is the desired height of the self-leveling? Are there preexisting conditions that are dictating the overall height of the floor? Are there spots on the floor that already exceed the height that is required? These are questions that need to be addressed prior to pouring material for obvious reasons. Product choice, as well as pour depth will be dictated by the definition of a zero point. If the pour depth is going to be determined by door jambs, base the zero point on the height of the door jambs. If the self-leveling project is taking place to address low spots on the floor be certain to set your zero point to the desired finished floor height.

LEVEL PEGS

Level pegs are visual aids that are placed on the subfloor prior to the introduction of a self-leveling underlayment. They offer a visual confirmation that a section or area of the subfloor’s topographical...
disparity has been addressed. The typical installation method is to take a reading using a NIVCOMP at a precise location, cut the level peg to the corresponding height, and adhere it to the floor at the location where the reading was taken. Using level pegs in tandem with a NIVCOMP digital level is advantageous in that it allows for an accurate installation of self-leveling material indicating to the operator exactly how deep the material must be poured at various points on the floor.

CREATING A FLOOR MAP

In order to best plan a pour; it is advisable to grid out the area. The size of the grid is going to be determined by the floor flatness (FF) tolerances that are required on the project. For a pour that can guarantee a tolerance of 1/4" over a 10ft span, it would be advisable to set your floor grid at a minimum of 5'. For tighter tolerances, such as 1/8" over a 10ft span, it would be advisable to set your grid to 2’ intervals. The tighter the interval is that is chosen for the grid, the better the likelihood that the desired floor flatness tolerances are achieved.

Once a grid tolerance is determined, proceed to start from the center of the room and mark parallel lines at the given distance using a chalk line. After the initial series of parallel lines have been marked, start from the center and repeat the process working perpendicular to the initial series of lines. The intersections of these lines will be locations for both placing level pegs and using the NIVCOMP to take floor height readings.

TAKING READINGS AND MARKING THE FLOOR

Begin taking readings at each intersection of lines that have been marked on the floor. The reading that you receive from the NIVCOMP will tell you the depth required to attain the finished floor height. Using a pair of scissors cut the level peg to the reading and adhere it to the point on the floor where the measurement was taken. Proceed to measure and place a level peg at each intersection on the floor. Finally, look for any inconsistent points that may have not been marked such as high spots or dips. Be certain to add these points on the floor to ensure adequate coverage. Once all the necessary level pegs have been placed, self-leveling underlayment can be installed over the floor. The level pegs may remain in place and installed over with the self-leveling underlayment.

Computer-controlled mobile blending unit, blends the material on site at street level, and the pump truck delivers up to 15 tons per hour up to 50 stories high.

LATICRETE SUPERCAP power delivery hose

Material is delivered quickly and efficiently, directly from the hose to the floor on large-scale surfaces.

Mark parallel lines at the given distance using a chalk line

Finished floor with LATICRETE SUPERCAP system
Beautiful, Durable, Resinous Flooring

Engineered for long-term superior performance, LATICRETE® SPARTACOTE® polyaspartic floor coating systems are designed to meet the needs of the most demanding heavy-traffic environments.

LATICRETE SPARTACOTE polyaspartic coating systems offer:

- Seamless and impermeable coatings
- Low VOC and low odor systems
- Excellent abrasion resistance
- Fast return to service
- Non-slip textures

CORPORATE HEADQUARTERS:
LATICRETE International, Inc.
One LATICRETE Park North Bethany, CT 06524-3423
USA 1.800.243.4788, +1.203.393.0010
www.laticrete.com

Stay Connected:
facebook / laticrete middle east

©2018 LATICRETE International, Inc. All trademarks shown are the intellectual properties of their respective owners.

Editor: Manav Bhatia

For more information please write to us at media@laticrete.me

*For Private Circulation Only