

SUCCESS STORY



PENTRA-HARD® Densifier a Smart Choice for Fulfillment Center

SUMMARY

Amazon.com, the world's largest online retailer, continues to grow. With a staggering number of orders placed through the popular website each day, the need for additional support to fulfill orders has grown as well. One new fulfillment center helping to meet those needs is a nearly one million square foot facility situated on 80 acres in Lebanon, Tennessee. This facility was Amazon.com's third in the state and brought more than 1,000 new jobs to the area.

CUSTOMER

- Owner: Amazon.com
- Contractor: Catamount Constructors
- Concrete Contractor: Danko Concrete
- Densifier Applicator: Southern Floormasters

PROJECT

- Amazon.com Fulfillment Center BNA2
- Lebanon, TN

CHALLENGE

General Contractor for the project, Catamount Constructors and concrete subcontractor, Danko Concrete were on an aggressive construction schedule. They needed a package of product solutions that would simplify the time of placement application of densifier to the building floor prior to the use of cure and bondbreaker.

SOLUTION

Catamount Constructors and Danko Concrete approached Dayton Superior to provide the product solution package they required. Included within that package was one of Dayton Superior's newest chemical products, PENTRA-HARD Densifier. The product utilizes advanced lithium technology to harden and dustproof new and existing concrete. The VOC compliant, easy to use densifier was applied to the



Using PENTRA-HARD Densifier provided the contractor with critical time savings that were essential to the successful completion of the Amazon.com fulfillment center.



PENTRA-HARD Densifier was applied to the fresh concrete floors to harden and dustproof them in one application.



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facility's floors at the time of concrete placement and required no rinsing and eliminated removal of the cure film prior to densifying. The simplicity of the application saved a great deal of time, labor and money, ultimately contributing to the project remaining on schedule and on budget. In addition to the PENTRA-HARD Densifier, other Dayton Superior chemical product solutions utilized on the project included over 2,300 gallons of Clear Resin Cure J11W and nearly 1,400 gallons of Sure Lift J6WB bond breaker.

"The time of concrete placement application of Dayton Superior's PENTRA-HARD Densifier in conjunction with their complete system of cure, bond breaker, tilt-up accessories, bar supports, etc... helped us complete this project on schedule and within budget," said Tom McKelvey, project manager with Catamount Constructors.

RESULTS

- The contractor counted on Dayton Superior as a single source provider for flooring chemical product and accessory product solutions
- Use of PENTRA-HARD Densifier simplified the application procedure saving time and labor costs
- PENTRA-HARD Densifier's ease of use helped keep the project on schedule
- Using PENTRA-HARD eliminated the need to remove the cure film and required no rinsing
- PENTRA-HARD makes concrete more water, stain and abrasion resistant for easier maintenance over the life of the concrete floor

RESOURCES

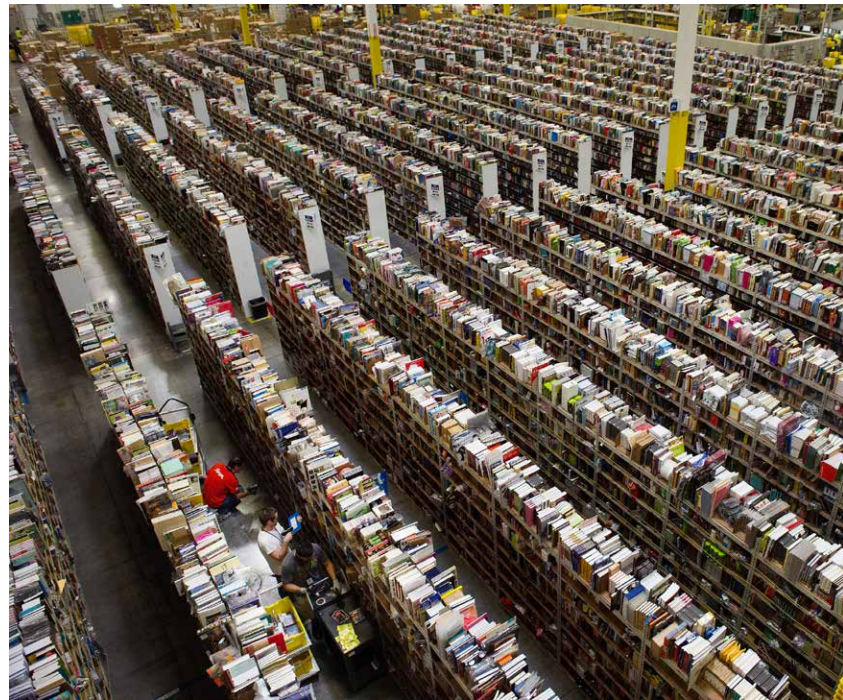
Learn about PENTRA-HARD and other products online at www.daytonsuperior.com.

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Additional product information is available online at www.daytonsuperior.com. Contact your Dayton Superior representative at 888-977-9600, or send an email to info@daytonsuperior.com if you would like to discuss how these or other innovative systems can make your construction projects more productive.



The label on the PENTRA-HARD tote provides essential information and QR links to safety and technical information.



Hardened, dustproof concrete floors provide the wear resistance and easy maintenance features that building owners appreciate in high-traffic fulfillment centers.