Courtyard Surface Paves Way for Green Residential Project

Highland Park, Illinois

The 500 Hyacinth Place project of 14 townhomes is the result of a commitment to affordable green housing made by the City of Highland Park, a municipality on the outskirts of Chicago. Units feature geothermal heating and cooling, wind turbine energy generation, renewable flooring and private courtyards with paved surfaces which clean themselves and reduce air pollution through interaction with sunlight.

At the heart of these self-cleaning, pollution busting courtyards is a permeable concrete paving system formulated with TX Active photocatalytic cement. When exposed to sunlight, TX Active destroys the atmospheric pollutants common to urban areas. As a bonus, the photocatalytic properties of the pavers also clean the air they contact and their permeable design allows rainwater to soak back into the earth.

"It's exciting to be the first U.S. developer to use TX Active photocatalytic cement in a permeable concrete paver system. This innovation generates additional interest in our project. We're impressed with the product's performance and look forward to using it at other developments throughout the Midwest."

– Adam Natenshon
Brinshore Development, LLC

The smart pavers used in the Highland Park project are manufactured by Unilock of Aurora, Illinois.

TX Active®: good, clean design

When applied to various materials, photocatalysis creates a "self-cleaning" effect. While early photocatalytic cements were effective in keeping surfaces clean, the levels of photoactivity achievable with TX Active cement is such that it actually abates the organic and inorganic substances responsible for air pollution.

A pioneer in sustainability

Heidelberg Materials uses its combined forces to lead the field in decarbonizing the industry. Developing sustainable and intelligent heavy building materials, we provide the **Material to build our future.**

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