

TX Active® Photocatalytic Cement

POMPANO BEACH PLANT

1590 North Andrews Ave. Ext.
Pompano Beach, FL 33069
954 972 7400
800 273 7084

HAINES CITY PLANT

1980 Marley Drive
Haines City, FL 33844
863 421 7422
888 755 8711

LEHIGH ACRES PLANT

421 Leonard Boulevard North
Lehigh Acres, FL 33971
239 368 9700
888 723 2197

NAPLES SHOWROOM

6230 Shirley Street, Ste. 103
Fairway Trade Villages
Naples, FL 34109
239 597 2060

SARASOTA SHOWROOM

4587 Bee Ridge Road
Sarasota, FL 34233
941 343 0408



Hanson Pavers are now available with TX Active®

Society today is faced with a host of issues that affect our environment and our health, including climate change, poor air quality and the need for safe drinking water. The construction industry is becoming increasingly more aware of the need to address these issues with environmentally sensitive practices and sustainable building products.

Hanson Hardscapes is committed to becoming the market leader in the provision of sustainable hardscape products and services for conscientious designers, developers and owners. In keeping with this commitment, we are pleased to offer TX Active self-cleaning and pollution reducing cement as an available option in any of our face mix pavers.



What is TX Active?

TX Active is a photocatalytic cement that uses light energy to break down organic and inorganic pollutants, removing air pollutants that are harmful to the environment and to our health and preserving the appearance of our pavers over time. The result is a paver that stays clean and reduces pollutants.

How does it work?

Photocatalysis is a natural phenomenon during which light energy is used to break down organic and inorganic pollutants and prevent them from accumulating. TX Active is a catalyst that accelerates this oxidation process without being consumed during the process. As long as the pavers receive UV light, the process will continue indefinitely.

Pollution Reducing Pavers

Through the photocatalytic process, Hanson pavers made with TX Active cement effectively remove many pollutants that have been deemed harmful to the environment and human health by contributing to acid rain, smog and poor air and water quality, including:

- Carbon Monoxide
- Nitrogen Oxides
- Sulfur Oxides
- Volatile Organic Compounds, such as benzene and toluene.
- Ammonia

Self-Cleaning Pavers

Over time, pollutants can accumulate on the surface of any concrete product, causing unsightly discoloration that requires annual maintenance to remove. TX Active helps maintain the original beauty of Hanson pavers with little or no effort by preventing deposits of many compounds, including:

- soot
- grime
- mold
- mildew
- algae
- bacteria
- allergen

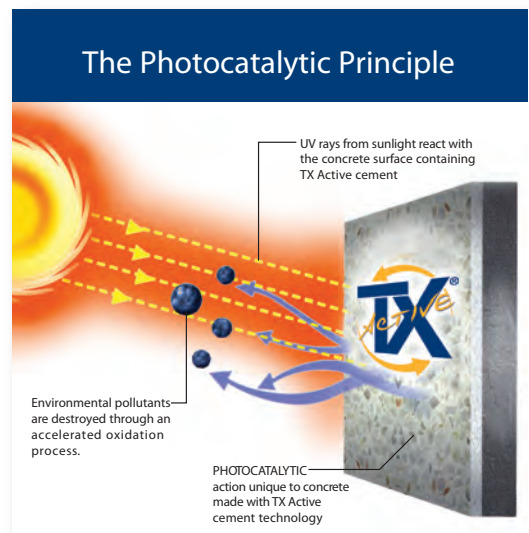


Figure A shows the superiority of TX Active cement in removing nitrogen oxides from the air as compared with regular cement. Depending on the intensity of available UV light, TX Active efficiently removes significant amounts of these pollutants, converting them into harmless salts.

Figure B demonstrates the cleaning ability of TX Active during lab tests. Specimens dirtied with colored pollutants were as clean as the control sample after only 30 hours of exposure to UV light.

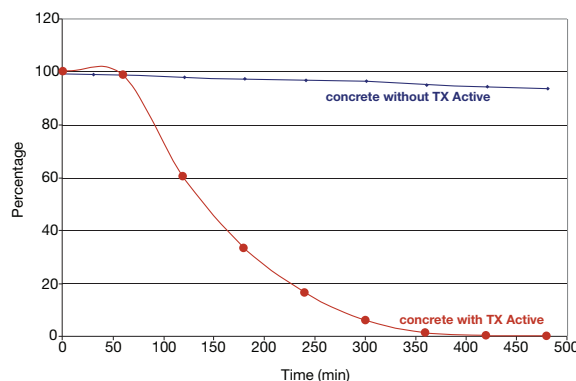


Figure A - Pollution Reducing Effects of TX Active (against Nitrogen Oxides)

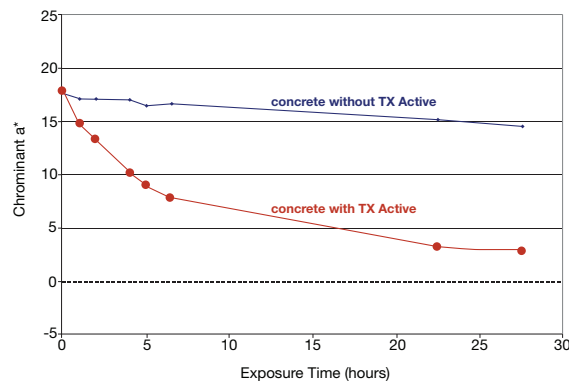


Figure B - Self-cleaning Effects of TX Active (against Rhodamine/Bromocresol)

LEED Credits

Hanson pavers manufactured with TX Active increase eligibility for LEED credits in the following categories:

- **Sustainable Sites** - Due to their self-cleaning properties, Hanson pavers produced with TX Active cement will likely maintain a higher Solar Reflective Index (SRI) value for a longer period of time over pavers produced with ordinary cement. In addition, Hanson’s Aquaflo Permeable Paving System earns points for its permeable pavement surface and unique pollution reducing sub-base. **Combine TX Active with the Aquaflo system for a truly powerful environmental paving option.**
- **Material & Resources** - Most Hanson products utilize recycled content.
- **Regional Materials** - Hanson has 12 manufacturing & distribution facilities in Florida, Virginia, Michigan and Ontario.
- **Durable Building** - Hanson pavers used in rooftop applications have a much longer life expectancy than traditional roofing options.
- **Innovation & Design** - Opportunities for points in this category include exceptional performance in aged reflectance (self-cleaning pavers will remain reflective, reducing the heat island effect for a longer period of time), exceptional performance in air pollution abatement, durability and the potential for reuse/reinstatement.

Sustainable Solutions from Hanson

Hanson pavers are made using the industry’s most advanced technology and processes. Our unique facing mix provides a tighter paver surface that intensifies color and resists wear while the coarse mix (the bottom of the paver) provides maximum strength even under the most demanding conditions.

Our face mix production capabilities allow us to include the TX Active ingredient in the surface of the paver, where it interacts with the atmosphere to provide the environmental and aesthetic benefits outlined above. The coarse mix is manufactured without TX Active, providing a cost effective solution. In addition, TX Active does not affect structural integrity, so pavers have the same superior surface and performance you’ve come to expect from Hanson.

For truly sustainable solutions for driveways, streetscapes, parking lots, rooftops, courtyards and anywhere else hardscape products are used, contact Hanson Hardscapes.

www.hansonhardscapes.com

Contact Hanson Hardscapes at 1 800 273 7084 for more information.

