

DURO-NOX[®]

FLOOR DENSIFIERS

PROTECT • SEAL • HARDEN • DUSTPROOF



chemical solutions to concrete problems

Using NOX-CRETE DENSIFIERS can contribute to the acquisition of LEED CREDITS!

**Duro-Nox Densifiers include: Duro-Nox, Duro-Nox LS, Duro-Nox LSC, Duro-Nox HS & Duro-Nox HSC*

Materials & Resources Credit 1.1, 1.2 and 1.3 Building Reuse

Intent of this credit

To extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Use existing interior nonstructural elements (e.g., interior walls, doors, floor coverings, ceiling systems and concrete floors reused and densified with **Duro-Nox Densifiers**) in at least 50% (by area) of the completed building, including additions. If the project includes an addition with square footage more than 2 times the square footage of the existing building, this credit is not applicable.

Materials & Resources Credit 3.1 (5%) and 3.2 (10%) Materials Reuse

Intent of this credit

Reuse building materials and products in order to reduce demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Use salvaged, refurbished or reused materials including reusing concrete floors that are densified with **Duro-Nox Densifiers** for at least 5%(Credit 3.1) or 10%(Credit 3.2) of building (construction) materials, excluding furniture and furnishings.

Materials & Resources Credit 5.1 (10%) and 5.2 (20%) Regional Materials

Intent of this credit

Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Use building materials or products that have been extracted, harvested or recovered, as well as manufactured including **Duro-Nox Densifiers**, within 500 miles of the project site for a minimum of 10% (5.1) and a minimum of 20% for (5.2) (based on cost) of the total material value. **Duro-Nox Densifiers** are manufactured in Omaha, NE



Indoor Environmental Quality Credit

3.1 Construction Indoor Air Quality Management Plan - During Construction

Intent of this credit

Reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and building occupants.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

One of the aspects of this LEED credit is to protect installed absorptive materials from moisture damage. Some of the materials noted include insulation, carpeting & drywall. Because concrete floors treated with **Duro-Nox Densifiers** are a non-absorptive surface they are not subject to moisture damage. Floors treated with **Duro-Nox Densifiers** are a substitute for absorptive materials such as carpet and therefore can contribute points.

Indoor Environmental Quality Credit

3.2 Construction Indoor Air Quality Management Plan - Before Occupancy

Intent of this credit

Reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and building occupants.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Due to the nature of **Duro-Nox Densifiers** being inorganic and water-based, they do not contribute VOCs or contain formaldehyde, particulates or other harmful substances. When applied, **Duro-Nox Densifiers** do not create harmful fumes, vapors, gases as can other types of floor coatings and floor coverings.

Indoor Environmental Quality Credit

4.1 Low Emitting Materials - Adhesives & Sealants

Intent of this credit

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Because adhesives and sealants are not necessary for the creation of densified concrete floors using **Duro-Nox Densifiers**, LEED credits can be attained. The adhesives mentioned in this standard pertain to adhesives and sealants used on carpet, carpet padding, tile, rubber flooring, etc.

Indoor Environmental Quality Credit

4.2 Low Emitting Materials - Paints & Coatings

Intent of this credit

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Nox-Crete **Duro-Nox Densifiers** were compliance tested by Berkeley Analytical and declared compliant under the CDPH Standard Method V1.2. **Duro-Nox Densifiers have 0 VOCs.**

For more detailed information, or for an official compliance test certificate for **Duro-Nox Densifiers** from Berkeley Analytical, please visit our website at www.nox-crete.com.

Indoor Environmental Quality Credit

7.1 and 7.2 Thermal Comfort - Design(7.1) Verification(7.2)

Intent of this credit

Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Duro-Nox Densified Floors increase the mass of concrete floors which can in turn reduce the amount of heat energy to either be added or removed from an area thus making interior conditions more comfortable for the occupants of the building. Concrete floors that are treated with **Duro-Nox Densifiers** can increase benefits of various heating and cooling processes.

Innovation and Design Process Credit

Innovation and Design Process 1.1 through 1.4 – Innovation in Design

Intent of this credit

To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in green building categories not specifically addressed by the LEED Green Building Rating System.

How Using Nox-Crete Duro-Nox Densifiers can contribute points

Because **Duro-Nox Densified Floors** help dustproof and help prevent water from entering concrete pores this helps create an environment free of mold, pollen and trapped dust with regular cleaning. This is beneficial to people with and without allergies. **Duro-Nox Densified Floors** also are easy to clean with environmentally friendly water and/or detergents and will hold up in various weather conditions.

Recycled Content

Duro-Nox Densifiers are produced using no recycled post-consumer materials. However the drums that contain **Duro-Nox Densifiers** are 100% recycled.

Additional LEED Credit Categories

This product may also contribute to the acquisition of additional LEED credits beyond what is indicated here. Additional information regarding this, as well as Nox-Crete's commitment to building green and our support of the efforts of the U.S. Green Building Council, can be found by visiting our website at www.nox-crete.com.

For additional technical support, please contact our Customer Service Department at (800) 669-2738.

Sincerely,



Lee Nabb
Flooring Division Manager



Products are not reviewed or certified under LEED®. LEED® credit requirements cover the performance of materials in aggregate, not the performance of individual products or brands. For more information on LEED®, visit www.usgbc.org/leed.

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