

S U S T A I N A B I L I T Y



**We are rethinking
the way concrete is manufactured.**

Elemix® additive, our innovative product that delivers sustainable benefits, is helping people build smarter in bold, tangible ways.

We are committed to the triple-bottom-line approach to sustainability—economic, social, and environmental. Our belief is that a sustainable business is a profitable and socially responsible one.

Reuse of material is important, and concrete made with Elemix additive may be recycled for reuse in many applications.

ENVIRONMENTAL

Elemix additive is a patented, manufactured product that supplements naturally occurring aggregates, decreasing the impact of construction on the environment. Through the lightweight properties of Elemix additive, source reduction can be achieved while still maintaining the strength and durability requirements for concrete and allowing builders to consume less material overall. Products made with Elemix additive typically use fewer trucks to transport materials, reducing oil consumption and greenhouse gas emissions throughout the supply chain.

SOCIAL

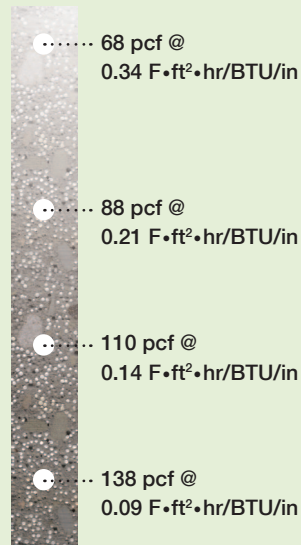
The lightweight properties of Elemix additive provide a safer working environment. Loads are lightened significantly, lessening the effect of manually transported concrete on employees. The design flexibility achieved with Elemix additive enables architects and engineers to create spaces with better usable square footage. This flexibility increases the opportunity for a structure to be repurposed, resulting in a longer lifespan.

ECONOMIC

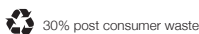
Elemix additive improves the thermal characteristics of concrete. As the R-value increases, energy demand can decrease, resulting in lower heating and cooling costs for buildings. And the global, consistent availability of Elemix additive helps to streamline product offerings for businesses operating in multiple geographies, delivering a standard solution, regardless of location.

LEED® 2009 for New Construction and Major Renovations Project	
A project utilizing concrete made with Elemix additive can help your project gain up to 32 LEED points.	
Sustainable Sites (SS) 26 possible points	
SS 7.2 Heat Island Effect: Roof 1	1 point
Energy and Atmosphere (EA) 35 possible points	
EA 1.0 Optimize Energy Performance	19 points
Materials and Resources (MR) 14 possible points	
MR 5.0 Regional Materials	2 points
Indoor Environmental Quality (IEQ) 15 possible points	
IEQ 7.1 Thermal Comfort	1 point
Innovation in Design (ID) 6 possible points	
ID 1.0 Innovation in Design	5 points
Regional Priority (RP) 4 possible points	
RP 1.0 Regional Priority	4 points

Elemix-containing concrete at 120 pcf provides a 50% improvement in thermal resistance (R-value) over normal-weight concrete*



*Thermal resistance values of concrete containing Elemix additive are based on third-party testing in accordance with ASTM Standard C 177, Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus



The Elemix logo is a trademark of NOVA Chemicals Inc.
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Elemix additive is sold through an exclusive network of distributors and sales representatives. To locate a distributor or sales representative, visit www.elemix.com/contact.