

# BASF Construction Chemicals

Helping Facilitate Sustainable Construction



 **BASF**

The Chemical Company

# Building a Sustainable Future

With dedicated people, superior products, outstanding technical support and innovative chemistry, BASF Construction Chemicals is committed to leading positive change in the construction industry and working with customers to create and maintain a sustainable built environment. We focus on improving the eco-footprint of our operations, offices and distribution centers, and foster a culture of sustainable awareness and activism.

Building on the company's core strategic principle of sustainable development, BASF Construction Chemicals provides products and solutions to assist design professionals, concrete producers, and contractors build and restore structures that perform to the highest standards while minimizing environmental impact. We simplify and streamline the sustainable construction process by offering easy access to product information, analysis of environmental efficiencies and trained, knowledgeable resources.

The full range of BASF Construction Chemicals products – from wall cladding systems, expansion control technologies and concrete admixtures to adhesives, sealants and coatings, repair and strengthening systems – can be employed to create high performance building solutions. BASF products and technologies can be incorporated to lower energy and water consumption, enable the utilization of waste materials in finished products and protect, maintain and restore structures.



People,  
Products,  
Support

# A Full Portfolio of Sustainable Solutions

The individual business lines of BASF Construction Chemicals contribute to sustainable construction with unique product offerings and technical support for the design and contracting communities.



**Wall Systems** manufactures Exterior Insulation and Finish Systems (EIFS) that are lightweight, durable claddings that provide outstanding insulation value, eliminate thermal bridging and can incorporate an integral air barrier and water-drainage. EIFS can replace heavy brick and stone eliminating the need to transport, store and apply heavy, massive materials while generating very little construction waste. Wall Systems utilizes multiple plant locations so many of its products can be sourced locally.



**Building Systems** manufactures joint sealants, wall coatings, floor coatings, adhesives, concrete repair, strengthening and waterproofing materials, and specialty adhesives designed to protect, restore and enhance the performance of buildings and structures, while complying with or exceeding accepted VOC standards. By helping to improve the overall building envelope and extend the life of buildings and structures, Building Systems products and systems help preserve investment, in terms of time, resources and embodied energy. A full line of restoration products and systems contribute to the 'ultimate act of sustainability' – transformation of existing buildings to high performance, sustainable structures.



**Admixture Systems** manufactures innovative products that can be used to produce unique concrete mixtures that promote increased durability and extended service life, and reduce impact on the environment through the incorporation of recycled content and the use of local materials.



**Watson Bowman Acme** designs and manufacturers expansion control systems that accommodate thermal and seismic structural movements while protecting and extending the service life of buildings and structures from weather, moisture and premature deterioration. Watson Bowman Acme engages an environmentally responsible organizational culture and practice, incorporating recyclable materials within its product offerings and using waste reduction means to lower the impact on natural resources and landfills.



# High Performance Products for High Performance Construction

As we work to serve and support our customers engaged in sustainable construction, our businesses continue to look at our existing products and opportunities for new technologies that can contribute to better building science.

The United States Green Building Council's LEED (Leadership in Energy and Environmental Design) rating system is emerging as a preferred tool to document the design and improved performance of structures built to sustainable standards. Our businesses are working with customers to identify how our products can be used to contribute to the best possible design with the required in-service properties.

The table on the right illustrates where the various products and technologies of BASF Construction Chemicals can contribute to earning LEED credits and points, directly and indirectly.

## Sustainable Sites

Credit 6.1:	Storm Water Design: Quantity Control	Pervious Concrete
Credit 6.2:	Storm Water Design: Quantity Control	Pervious Concrete
Credit 7.1:	Heat Island Effect: Non-Roof	Pervious Concrete Liquid Coloring Admixtures 4x4™ Concrete System Sonoguard® Coatings

## Energy & Atmosphere

Prereq 2:	Minimum Energy Performance	BASF EIFS*
Credit 1-10:	Optimize Energy performance (up to 10 credits)	BASF EIFS*

## Materials & Resources

Credit 1.1 and 1.2:	Building Reuse	BASF EIFS* for Renovation BASF Concrete Repair Materials, Sealants, Wall Coatings and Water Repellents
Credit 2.1 and 2.2:	Construction Waste Management	DELVO® Hydration Control Admixture
Credit 4.1 and 4.2:	Recycled Content	GreenSense™ Concrete Watson Bowman Acme Expansion Joints
Credit 5.1 and 5.2:	Regional Materials	BASF EIFS* - supply points across the country Sonneborn® Adhesives, Hydrozo® Sealers
Credit 6:	Rapidly Renewable Materials	MBT® Protection & Repair, Sonneborn® Adhesives, Selby™ and Ucrete® Flooring

## Indoor Environmental Quality

Credit 4.1:	Low-Emitting Materials: Adhesives and sealants	ChemRex® Adhesives, MBT® Protection and Repair, Sonneborn® Adhesives
Credit 4.2:	Low-Emitting Materials: Paints and Coatings	ChemRex® Adhesives, Hydrozo® Sealers, Thoro® Coatings, MBT® Protection and Repair, Sonneborn® Adhesives
Credit 7.1:	Thermal Comfort: Design	BASF EIFS*

\* Senergy®, Finestone®, Sonowall and Acrocrete®.



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**For the most current information on BASF Construction Chemicals products and systems for high performance, sustainable construction, visit: [www.basf.com/construction/greenc.com](http://www.basf.com/construction/greenc.com)**