Ure-K® spray coating

DESIGN SOLUTION
FIRE STATION

PROJECT	Bellaire Fire Station Bellaire, TX
DETAILS	Ure-K White 12,000 sf @ 1.25″ Thick
ARCHITECT	PGAL Houston, TX

The Bellaire Fire Station melds form and function, providing a home away from home for Bellaire's fire department staff. While the first level houses the administrative offices, Emergency Operations Center, and the equipment, the second level is devoted to the living and working spaces of the firefighters. The fire station's construction emphasizes modern functionality while blending a traditional aesthetic that fits seamlessly into the surrounding residential neighborhood. The resulting building allowed the city to achieve LEED Silver Certification as recognized by the U.S. Green Building Council, the very first in Bellaire, Texas.

One of the ways that they achieved LEED Silver Certification was through use of the 15-minute thermal Ure-K. Ure-K Spray Coating is part of the most efficient form of thermal and acoustical insulation available and is made of 80% recycled materials. A combination of spray-on polyurethane foam covered with Ure-K met the requirements of the local building codes and provided an exceptional sound absorption and thermal rating.

Ure-K is a 15-minute thermal barrier approved as a building interior insulation to delay the ignition and reduce the surface-burning rate of low-melting, combustible, rigid spray-on polyurethane foam in new construction projects as a combination system. Ure-K is available in standard or custom colors and is the perfect solution for your thermal and acoustical requirements.

Contact International Cellulose Corporation today at (800) 444-1252 or visit us online at www.spray-on.com for complete details on how ICC can improve your building projects. ICC also offers architects an AIA/CES HSW SD Lunch N Learn program both live and on-line on the subject of Solving Architectural Noise Problems.

15-MINUTE THERMAL BARRIER
FOR POLYURETHANE FOAM

SIMILAR URE-K PROJECTS

Perrysburg YMCA
Toledo, OH

Strong Museum
Rochester, NY

Liedertafel
Sealy, TX

WHY DOES FOAM NEED A THERMAL BARRIER?

While the combination of polyurethane foam and Ure-K prove to be the most effective form of thermal insulation, exposed foam can be incredibly dangerous. If foam is left exposed, it can create a life threatening possibility in the event of a fire. This is due to the highly flammable nature of urethane foam and the noxious smoke created by burning foam.

Ure-K has been tested and approved by a third party as a 15-minute thermal barrier over foam insulation. Ure-K covers interior applications of foam to maintain a sufficiently low surface temperature to prevent ignition and the rapid spread of fire.

Crystal Bridges Museum

Bentonville, AR

Crystal Bridges in Bentonville, Arkansas, spans 120 acres of the valley North East of downtown Bentonville. The majority of the complex is poured-in-place concrete which creates thermal challenges. Two pound polyurethane foam, along with Ure-K, was used to insulate the walls. This combination has provided the facility with one of the most energy efficient insulation systems available today.

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Ure-K® is manufactured with:
Minimum 80% recycled content

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Mixed Sources
FSC