



## Education Product Spotlight

WALLTITE® insulating air barrier system

# Overview

Schools are a focal point for our communities. Learning happens best in environments that support the health, comfort and well-being of the students and faculty. BASF chemistry helps schools achieve this while also meeting mandates and budgets. Designing and constructing a school includes important considerations such as safety, indoor environmental quality and operational costs. Concrete plays a key role in school construction, and BASF admixtures play a critical role in concrete, making beams, foundations, slabs, walls, columns and pavements stronger and last longer, reducing negative environmental impact along the way. Plus our low-VOC products reduce indoor pollutants, and high-performance spray-applied polyurethane roofing solutions combine energy efficiency with resistance to severe weather.



### BASF Center for Building Excellence

For more information on these products or to connect about other sustainable building practices, collaborate with us at [construction.basf.us/cbe](http://construction.basf.us/cbe).

MasterTop® – epoxy and polyurethane floor coatings

MasterSure® Z 60 self-consolidating concrete

Elastospray® – spray-applied polyurethane

# Construction Specifications Institute MasterFormat

BASF products can be found throughout a variety of divisions across the education sector.

## Division 03: Concrete

**ELASTOPAVE® Technology:** a poured-in-place pervious pavement for pedestrian and light vehicular traffic loads made from locally sourced bonded architectural stone or recycled glass. It filters storm water/pollutants, mimics natural hydrology, can reduce or eliminate retention ponds and minimizes water treatment demand. Less construction site interruption and reduces heat island effect. Excellent option for storm water management.

**Green Sense® Concrete:** an environmentally preferred, cost-effective concrete with optimized proportions in which supplementary cementitious materials, non-cementitious fillers, or both, are used with special Master Builders Solutions admixtures. Environmental Product Declaration available.

**Self-Consolidating Concrete with MasterSure® Z 60:** Reduces energy consumption and CO<sub>2</sub> emissions during construction while improving safety conditions.

**Cool-Colored Concrete with MasterColor® Liquid Admixtures:** Lighter admixture colors produce concrete that has higher Solar Reflectance (SR) values and can reduce heat island effect and lighting requirements.

## Division 07: Thermal and Moisture Protection

**Elastospray® and Elastocoat®:** a seamless closed-cell, spray-applied polyurethane foam roofing system for new and existing roofs. The lightweight system improves building energy efficiency and indoor comfort; is applicable over existing substrates saving tear-off costs and waste; and is proven leak free with a long-term warranty offering. It has a long service life, repairs easily, and it can be re-coated and renewed to extend service life 10–30+ years. It also boasts the highest wind uplift resistance.

**Enershield® HP and Enershield® I:** one-component, fluid-applied vapor permeable or impermeable air/water-resistive barrier. This waterproof, resilient coating may be spray-, roller-, brush- or trowel-applied directly to approved above-grade wall substrates to create a seamless barrier of protection. Air Barrier Association of America (ABAA) evaluated.

**Neopor®:** A graphite enhanced polystyrene (GPS) based rigid thermal foam insulation that can help mitigate the risk of damage associated with condensation of water vapor inside of wall cavities. With Neopor only air fills the cells. This means Neopors® R value remains stable over time. Neopor is GREENGUARD® GOLD certified for low chemical emissions.

**MasterSeal® NP100:** high-performance sealant with superior unprimed adhesion to a broad range of substrates, saving material and labor. Paintable, one-component, non-sag, hybrid sealant with excellent movement capability and weathering performance. Ideal for both new construction and restoration.

**Platinum CI:** exterior cladding system featuring Neopor® advanced insulation technology. It offers design flexibility, aesthetic appeal and energy savings. Integrated system components include reinforced air/water-resistive barrier, adhesive, Neopor insulation board, reinforced base coat and 100% acrylic polymer finish. IBC, IRC and IECC listed product.

**WALLTITE®:** closed-cell spray-applied polyurethane system combines industry-leading air permeance ratings and a superior insulation R-value to make a significant contribution to building energy efficiency. WALLTITE can be applied inside the cavity or on the building exterior as continuous insulation and an air/weather-resistant barrier. NFPA and ABAA approved.

**Wabo® SeismicPan:** accommodates multi-directional seismic movement, including lateral shear without stress to its components during thermal movement. Meets ADA Guidelines and stays flush during thermal movement and rises upward during a seismic event permitting full movement within the structural joint opening.

**Wabo® WeatherSeal II Expansion Joint Seal:** a silicone-faced weather-tight foam seal featuring an extensive color palette for wall and interior harmony. Its sound-attenuating characteristics make it an ideal expansion joint material choice for public spaces

**Wabo® Seismic SafetyFlex:** an elastomeric molded cover plate system recommended for wider joint openings exposed to heavy loading or when design considerations call for the ability to accommodate multi-directional seismic movement.

**Wabo® FireShield (horizontal and vertical applications):** is a second generation unified fire rated, sound, energy and waterproof sealant system. This fire-retardant impregnated foam does not rely on the silicone face or an intumescent coating to provide its fire rating.

## Division 09: Finishes

**Basotect® Melamine Foam:** a light-weight, flexible, open-cell foam that is used in room acoustic products. Basotect-based products have a high absorption capability of sound waves. When left untreated, the sound waves will reflect off of hard surfaces increasing the background noise and decreasing speech intelligibility. Basotect provides a high degree of design freedom as the foam can be easily processed into a variety of different shapes and can be easily colored or combined with different laminates. The foam is also very lightweight, meaning it is very easy to install. With regard to safety, the product contains no fibers, meets NFPA Class A fire ratings without the use of flame retardants, and, when installed in the right proportions, meets the California 1350 indoor air quality standard.

**Flexible White Roof Coatings:** BASF's Acronal® acrylic dispersions and Quick-Trigger® technology are specifically designed for use in sustainable reflective roof solutions that help contractors protect against "wash-off" from early rain, decrease labor time and broaden the application season. Ask about BASF's Brilliance™ Roof Coating Program, a holistic approach to acrylics used in roof coatings.

**MasterTop®:** resinous flooring systems combine the ease of maintenance with the toughness and durability required in challenging commercial, institutional, and chemical environments. In addition, the flooring systems can be installed in a variety of attractive colors, finishes and surface profiles.

**MasterTop® SRS:** methyl-methacrylate (MMA) self-leveling flooring system for use in areas that require a quick curing, decorative floor. Save on labor with one-hour curing time; requires no stripping or waxing which reduces maintenance costs.

**Platinum CI Stucco:** continuously insulated stucco system featuring Neopor® advanced insulation technology. It offers design flexibility, aesthetic appeal and energy savings. Integrated system components include BASF air/water-resistive barrier, Neopor insulation board, lath, BASF stucco base and finish coat. IBC, IRC AND IECC listed product.