WALLTITE® Series
Insulation and Air Sealing Material
for Light and Heavy Commercial Construction

With one product you can improve the comfort, energy efficiency, and durability of your building.

BASF WALLTITE® is a closed-cell, spray-applied polyurethane foam (SPF) insulation that can be applied to the exterior surface or stud-wall cavity of your commercial building. In addition to insulation, you also get an air barrier and vapor retarder that will help prevent premature building deterioration brought on by uncontrolled air leakage or moisture penetration. The high R-value per inch and stability of closed-cell WALLTITE foam insulation provides superior thermal performance compared to typical insulation materials in addition to increasing the structural durability of the building.

WALLTITE closed-cell polyurethane foam insulation has been tested by a third-party agency for air barrier and weather barrier performance[1]. WALLTITE also meets Class I flame spread and smoke developed indices when tested in accordance with ASTM E 84[2]. Following interior applications, WALLTITE must be covered with a 15-minute thermal barrier when required by relevant building codes, insurance requirements, or project specifications.

WALLTITE is compliant with the strict guidelines and regulations for low volatile organic compound (VOC) emissions, holding GREENGUARD Gold certification. The performance attributes of WALLTITE insulation also qualify for certain LEED points that will contribute towards LEED certification.

How does WALLTITE® technology stack-up?

Criteria	BASF Closed-Cell SPF WALLTITE®	EPS Board	XPS Board	Fiberglass (High Density) Board	Rock Wool Batt / Board	Polyisocyanurate Board (Foil-faced)
R-value per inch	6.9-7.4 [3]	4.0	5.0	4.0	3.4-3.7	5.0-5.6
Vapor Permeability [4]	0.9 [5]	3.2 [5]	0.8 [5]	N/R [6]	N/R [6]	<0.5
Air Barrier Material [7]	Y	N	Y	N	N	Y
FEMA Flood Resistant Material [8]	Y	N	Y	N	N	Y
Seamless	Y	N	N	N	N	N
Self-Adhering	Y	N	N	N	N	N
Adds Structural Strength	Y	N	N	N	N	N

R-values verified through www.coloradoenergy.org

Insulation and air barrier material for a better building.

WALLTITE on the interior

When WALLTITE is installed in a wood or steel-framed stud-wall, the racking strength of the wall is increased to almost three times more than a standard wall insulated with fiberglass insulation[9]. When used on the interior of precast concrete walls, WALLTITE provides continuous insulation and condensation control without the use of additional fastening systems, unlike board or batt insulation materials. With its closed-cell structure, WALLTITE is also highly moisture resistant, which can also help reduce mold, mildew and pest infestation that can occur. These attributes inspire confidence in the comfort, durability, and indoor air quality of your building.

WALLTITE on the foundation

WALLTITE can dramatically improve the performance of your building envelope through exterior applications like wall and roofing. In addition, utilizing WALLTITE insulation on the exterior of the foundation of a commercial building can provide a more uniformly conditioned space and even greater energy savings. When used in conjunction with a waterproof coating, WALLTITE contributes to a seamless system providing better insulation while preventing water intrusion. In areas where probability of termite infestation is very high, verify local building code requirements prior to using SPF on foundations[10].

For ABAA or extended warranty requirements, please contact a BASF Spray Territory Manager for other BASF manufactured materials.

[1] Testing per ASTM E283, ASTM E2178, ASTM E2357 and AC71.
[2] ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials.
[3] Per ICC Evaluation Report, ESR-2642. R in R-value means resistance to heat flow. The higher the R-value, the greater the insulating power.
[4] Water Vapor Permeability Unit: 1 US perm = 57.2135 ng/s/m²/Pa @ Relative Humidity of 70%.
[5] SPF, EPS Board, and XPS Board @ 1.5 inches.
[6] N/R means value that is not typically reported.
[7] Per ASTM E2178, which requires an air permeance below 0.02 L/s/m² @ 75 Pa and 1 in.
[8] Per Federal Emergency Management Agency (FEMA) Flood Damage-resistant Materials Requirements. Technical bulletin August 2008 – updated October 2010.
[9] Studies performed by the National Association of Home Builders (NAHB).
[10] 2021 International Building Code (IBC) Section 2603.8

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