

DESCRIPTION:

BH708 is a two-component elastomeric compound of asphalt and polymers formulated for mixing and applying at ambient temperatures. After the components have been mixed for 3-5 minutes and allowed to sit for an additional 15-20 minutes, it may be applied 1/4 inch thick on a vertical surface with little or no sag. It cures (by an in situ chemical reaction) to a tough, abrasive-resistant film which shows almost 100% elastomeric recovery from mechanical stress. It has excellent adhesion to insulation, metal, concrete, and other substrates, and due to its unusual low temperature properties, is ideal for use in extreme cold environments. It is also an excellent vapor barrier.

COLOR:

Black only.

BASIC USE:

BH708 has several uses as an insulation accessory:

- A bedding compound to cement pre-formed insulation to piping or vessels.
- An adhesive to adhere blocks of insulation together.
- Joint sealant of block-type insulation and especially recommended where movement of insulation will be encountered at low temperatures.
- A lap cement and calk to give a seal of maximum strength and flexibility.
- On concrete and masonry, Nokorode 708 is a moisture vapor barrier coating below grade.
- Corrosion protection of metals from acids, alkalies, salts, moisture.

LIMITATIONS:

BH708 should not be used where it will be exposed to high concentrations of oil or organic solvents. It is subject to ultraviolet degradation and should not have long term exposure to sunlight.

COMPOSITION & MATERIALS:

BH708 is a two-component elastomeric compound of asphalt and polymers. Component 1, the base, consists of elastomeric-forming polymers with specially processed asphalt plasticizer, inert filler. Component 2 consists of the curing agent. It is available in one consistency grade.

PACKAGING:

The two components of BH708 elastomeric sealant are packaged to simplify mixing in the field. When the components are mixed, they are proportioned by weight. Therefore, the components come in two-part kits, packaged for correct mixing proportions. 708 comes in a 4 gallon kit.

INSTALLATION**PREPARATORY WORK:**

Surfaces to which BH708 is to be applied should be dry, clean, and free of dust, loose rust, and scale. On steel, sandblasting to gray metal is preferred where feasible.

MIXING OF COMPONENTS:

The viscosities of the two components are such that the contents of component 2 container can be readily poured into the component 1 and mixed at product temperatures above 60°F. An electric or air driven mixer (600 RPM minimum generating vigorous vortex), having a 5 inch or larger blade, is recommended to achieve mixing in 3-5 minutes. The mix ratio of Component 1 to Component 2 is 62:1 on a weight basis.

POT LIFE:

The pot life after mixing BH708 is about 1 hour 45 minutes @ 75°F, 1 hour @ 90°F and 2 hours 30 minutes @ 60°F.

METHOD OF APPLICATION:

BH708 is applied by trowel. It should be protected from rain or heavy moisture during application. Equipment should be cleaned frequently with mineral spirits during use to remove curing material before it becomes fully elastomeric. Aromatic solvent is

required for clean up after BH708 cures.

COVERAGE RATES:

One gallon of BH708 covers 25 square feet with a 1/16 inch film thickness. There is no film shrinkage. 1/8 inch covers 12.5 square feet. 1/4 inch covers 6.25 square feet.

TYPICAL PROPERTIES & PERFORMANCE:

Application Temperatures Range, °F	Lab Observation	60 to 90
Flash Point, Pensky Martens Closed Cup, °F Min.	ASTM-D93-79	105
Solids, Weight % Min.	ASTM-D2823	84
Weight, lbs/gal (approx.)	ASTM-D71	8.9
Flow of Cured Film at 200°F	ASTM-D1851	None
Cracking or Disbonding of 1/16-inch Cured Film on Steel, 140°F to -60°F	FED-TT-C-520	None
Tensile Strength @ 74°F, PSI (1 Month Cure @ 74°F)	ASTM-D412	220
Elongation @ 74°F, % (1 Month Cure at 74°F)	ASTM-D412	107
Bond Strength (to steel), PSI (1 Month Cure @ 74°F)	ASTM-D412	126
Shear Strength: (1 month cure @ 74°F)		
Tensile, PSI	ASTM-C273	88
Compression, PSI	ASTM-C273	64
Moisture Vapor Transmission, Perm Inch	ASTM E-96, Method E	0.0048
Service Temperature Range, °F	Lab Observation	-80 to 200
Resistance to Abrasion by Sandblast	FED-TT-C-520	Excellent
Resistance to Oils, Greases, Solvents	FED-SS-S-00200d	Poor

ORDERING INFORMATION

For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.

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