

S-48 EXPANSION JOINT SEALANT

PRODUCT DESCRIPTION:

S-48 is a two part component system consisting of a base compound and an accelerator, which when mixed together form a pourable joint sealant. The base compound is a combination of liquid epoxy resins, pigments and inert filler. The accelerator when added to the base compound will cure the epoxy resins at room temperature. The cured compound has excellent impact resistance and adhesion to steel, aluminum, glass, ceramics, concrete and wood.

S-48 is resistant to attack by mild acids, alkalies, corrosive salts, alcohols and aliphatic hydrocarbons.

USES:

S-48 is recommended for use in joints greater than 1/4" wide.

TECHNICAL DATA: Physical Properties

Base Compound	Test Method	Typical Value
Wt./gallon	Gardner Wt./gal. cup	12.8 lb. to 13.3 lb.
Viscosity	Brookfield	60,000-90,000 cps.
Pot Life @ 77°F (25°C)	Independent	35-45 min.

Accelerator

Specific Gravity	Hydrometer	1.20-1.25
Viscosity	Brookfield	700-1,000 cps.

Compounded S-48

Hardness, 14 days, Shore D-2	D2240-64	55-65
Tensile Strength	C638	800-1,400 psi. (5.52-9.66 MPa)
Coefficient of Expansion, (in./in.°F)	C531	7.5 x 10 ⁻⁵ (13.5 x 10 ⁻⁵ cm/cm/°C)

MIXING AND APPLICATION:

Make sure that the temperature of the materials is 65°F or warmer before mixing.

To 1/2 the contents of the 7 lb. 8 oz. (3.54kg) can of S-48 Base Compound add 1/2 the contents of the 3 lb. 12 oz. (1.7kg) can of S-48 Accelerator. Mix well. Pour into place. Be sure that joints into which this mixture is poured are clean and dry. This mixture will remain workable for approximately 35 minutes at 77°F and will withstand foot traffic after 8 hours. Do not expose to chemical service for 7 days.

CAUTION:

S-48 Expansion Joint Sealant is for industrial use only. It contains materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information before using.

CLEAN-UP:

Mixing equipment should be cleaned with acetone, toluene, xylene or methyl ethyl ketone before S-48 has cured completely.

COVERAGE:

Joint Depth	Lineal feet per Unit	
	Joint Width	
1/4"	1/4"	3/8"
3/8"	238	—
1/2"	158	105
3/4"	118	79
1"	79	52
1 1/2"	59	39
	39	26

PACKAGING:

Three quarter gallon unit contains:

1 – 1-gallon can – 9 lbs. 2 oz. (4.1 kg) Base Compound

1 – 1 pint can – 1/2 lb. (.231 kg) Accelerator

SPECIFICATIONS:

Material: S-48 Expansion joint sealant shall be a two-component system that when mixed together forms a pourable joint sealant. S-48 shall be flexible and resistant to attack by mild acids, alkalies, corrosive salts, alcohols and aliphatic hydrocarbons. S-48 is not recommended for joints wider than 3/8". S-48 shall be supplied by Summitville Tiles Inc., Summitville, Ohio. Color shall be # _____

S-48 EXPANSION JOINT CAULK CARTRIDGE

PRODUCT DESCRIPTION:

S-48 is a two part component system consisting of a base compound and an accelerator, which when mixed together form a flowable joint sealant. The base compound is a combination of liquid epoxy resins, pigments and inert filler. The accelerator when added to the base compound will cure the epoxy resins at room temperature. The cured compound has excellent impact resistance and adhesion to steel, aluminum, glass, ceramics, concrete and wood.

S-48 is resistant to attack by mild acids, alkalies, corrosive salts, alcohols and aliphatic hydrocarbons.

USES:

S-48 is recommended for use in joints greater than 1/4" wide.

TECHNICAL DATA: Physical Properties

Base Compound	Test Method	Typical Value
Wt./gallon	Gardner Wt./	12.8 lb. to 13.3 lb.
gal. cup		
Viscosity	Brookfield	60,000-90,000 cps.
Pot Life @ 77°F (25°C)	Independent	35-45 min.

Accelerator

Specific Gravity	Hydrometer	1.20-1.25
Viscosity	Brookfield	700-1,000 cps.

Compounded S-48

Hardness, 14 days,	D2240-64	55-65
Shore D-2		
Tensile Strength	C638	800-1,400 psi. (5.52-9.66 MPa)
Coefficient of Expansion, (in./in.°F)	C531	7.5 x 10 ⁻⁵ (13.5 x 10 ⁻⁵ cm/cm/°C)

MIXING AND APPLICATION:

Make sure that the temperature of the materials is 65°F or warmer before mixing. Remove end plug from cartridge. Attach mixing applicator nozzle to the cartridge. Place the cartridge in the caulking gun, apply pressure to the handle of the caulking gun, special mixing applicator automatically mixes contents. Apply into joints. Be sure that joints into which this mixture is applied are clean and dry. This mixture will remain workable for approximately 35 minutes at 77°F and will withstand foot traffic after 8 hours. Do not expose to chemical service for 7 days.

CAUTION:

S-48 Expansion Joint Sealant is for industrial use only. It contains materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information before using.

CLEAN-UP:

Mixing equipment should be cleaned with acetone, toluene, xylene or methyl ethyl ketone before S-48 has cured completely.

COVERAGE:

Joint Depth	Lineal feet per 8.5 ounce unit			
	Joint Width		Joint Width	
	1/4"	3/8"	1/2"	1"
1/4"	15.7	----	7.8	3.9
3/8"	10.4	6.9	5.2	2.6
1/2"	7.8	5.2	3.9	1.9
3/4"	5.2	3.4	2.6	1.3
1"	3.9	2.5	1.9	.9
1 1/2"	2.5	1.7	1.2	.6

PACKAGING:

1 – 8.5 Ounce Caulk Cartridge
(Cartridge fits in single component standard caulk gun.)

SPECIFICATIONS:

Material: S-48 Expansion joint sealant shall be a two-component system that when mixed together forms a flowable joint sealant. S-48 shall be flexible and resistant to attack by mild acids, alkalies, corrosive salts, alcohols and aliphatic hydrocarbons. S-48 shall be supplied by Summitville Tiles Inc., Summitville, Ohio.

Color shall be # _____.