



## S-48 EXPANSION JOINT SEALANT

### PRODUCT DESCRIPTION:

S-48 is a two-part component system consisting of a base compound and an accelerator. When mixed together, S-48 forms 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 temperatures between 40 and 90 degrees F. 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, alkalis, corrosive salts, alcohols and aliphatic hydrocarbons.

### USES:

S-48 is recommended for use in joints greater than 1/4" wide; in narrower joints, it may be difficult to control during pour. This product is suitable for use in food production facilities. S-48 is used in metal treatment facilities, sanitary waste, laboratories, dairies, beverage production, breweries, chocolates production, meat processing facilities, and packaged meals processing facilities.

### TECHNICAL DATA: Physical Properties

Base Compound	Test Method	Typical Value
Wt./gallon	Gardner Wt. /gal. cup	8.9 lbs.
Viscosity	Brookfield	60,000-90,000 cps.
Pot Life @ 77°F (25°C)	Independent	35 to 45 min.
<b>Accelerator</b>		
Specific Gravity	Hydrometer	1.20 to 1.25
Viscosity	Brookfield	700 to 1,000 cps.
<b>Compounded S-48</b>		
Hardness, 14 days, Shore D-2	D2240-64	55 to 65
Tensile Strength	C638	800 to 1,400 psi. (5.52-9.66 MPa)
Coefficient of Expansion, (in./in.°F)	C531	7.5 x 10 <sup>-4</sup> (13.5 x 10 <sup>-4</sup> cm/cm/°C)

### MIXING AND APPLICATION:

Make sure that the temperature of the materials are 65°F or warmer before mixing. Stir each part before using the part to ensure uniformity. To 1/2 the contents of the 4.75 lb. can of S-48 Base Compound, add 1/2 the contents of the 4.18 lb. 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:**

**Lineal feet per one gallon unit**

JOINT DEPTH	JOINT WIDTH				
	<u>1/4"</u>	<u>3/8"</u>	<u>1/2"</u>	<u>1"</u>	<u>2"</u>
1/4"	343	257	171	85	42
3/8"	227	151	113	56	28
1/2"	170	113	85	42	21
3/4"	113	75	56	28	14
1"	85	56	42	21	10
1 1/2"	56	37	28	14	7

**PACKAGING:**

One gallon unit contains:

1 can part A Base – 4.75 lbs

1 can part B Accelerator – 4.18 lbs

**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, alkalis, corrosive salts, alcohols and aliphatic hydrocarbons. S-48 is recommended for joints wider than 1/4". Summitville Tiles Inc., Summitville, Ohio, shall supply S-48. Color shall be # \_\_\_\_\_.