SPE-JS / FLEXIBLE JOINT SEALANT (TUBESET)

DESCRIPTION: SPE-JS Flexible Joint Sealant is a two component 100% solids polymer system designed for applications where a resilient joint material is needed. The two component material (standard) is supplied with a gray component and a clear component. SPE-JS was developed for plural component pump equipment.

RECOMMENDED FOR: Concrete expansion joints in general industry.
NOT RECOMMENDED FOR: Applications for all acids and chemicals.

SOLIDS BY WEIGHT: 100%
SOLIDS BY VOLUME: 100%
VOLATILE ORGANIC CONTENT: Less than 1 g/L
STANDARD COLORS: Medium Gray (mixed)
Part A is gray and Part B is clear.

RECOMMENDED THICKNESS: 1/2" to 1 1/2"
COVERAGE: 2 gallon kit @ 1/2" by 1.0" yields 74-78 lineal feet

PACKAGING	CUBIC FEET:
2 gallon kit	0.265 (approx)
10 gallon kit	1.325 (approx)

MIX RATIO: 1 to 1 by volume
SHELF LIFE: 6 months in unopened containers properly stored at normal room temperature. (mix before use)

HARDNESS: 40-45 Shore D
COMPRESSIVE STRENGTH: 2,300 psi
TENSILE STRENGTH: 1,984 psi
ELONGATION AT BREAK: 100%
IMPACT RESISTANCE: Excellent
ABRASION RESISTANCE: 18.2 mg loss with a 1000 gram total load at 1000 revolutions with a CS17 wheel

ADHESION: 410 psi (elcometer) – no delamination/concrete failure

VISCOSITY: Mixed= 1,200 cps – 1,400 cps (typical)

DOT CLASSIFICATIONS:
Part A "not regulated"
Part B "not regulated"

PRIMER: None required

TOPCOAT: None required. Many epoxies and urethane are compatible.

CURE SCHEDULE (70 Degrees F)

Pot Life:	1-2 minutes
Recoat or Topcoat:	1 hour
Light Foot Traffic	3 hours
Full Cure (Heavy Traffic)	3-5 days
Application Temperature:	40-90 degrees F

CHEMICAL RESISTANCE:

REAGENT	RATING
Xylene	C
1,1,1 trichloroethane	B
Methanol	A
Ethyl alcohol	C
Skydrol	B
10% Sodium Hydroxide	D
50% Sodium Hydroxide	D
10% Sulfuric Acid	B
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	B

Rating key:
A - not recommended
B - 2 hour term splash spill
C - 8 hour term splash spill
D - 72 hour immersion
E - long term immersion.

LIMITATIONS:
Color stability may be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of light such as sodium vapor lighting. Colors may vary from batch to batch. Gray color is not from our standard color chart.

Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days prior to application This product must be mixed well. Apply sample installation at an off-sight location before using material in a commercial setting to become familiar with material limitations. Product is not UV color stable.

This product was developed for plural component mixing equipment and may not be practicable for other applications because of the very short pot life. Contact your representative for equipment recommendations. See reverse side for application instructions. Test data based on neat resin.

Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty

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MIXING AND APPLICATION INSTRUCTIONS: SPE-JS Fast Set Flexible Joint Sealant

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50-90°F. Avoid low temperatures and large temperature fluctuations in storage as these conditions could cause possible product crystallization.

SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that all loose concrete, previous joint compound or other foreign material be removed to leave a clean sound joint at least 2" deep. For best results, edges should be sawcut and a one inch backer rod should be placed into the joint leaving approximately 1 to 1 1/2 inches from the top of the backer rod to the top of the joint.

PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

PRODUCT MIXING: It is important that the material be mixed well. Improper mixing will cause an incomplete cure and soft spots in the joint. Mix one part by volume part A to one part by volume of part B. This product has a very short pot life of 1-2 minutes and should be applied using plural component pump equipment using a 3/8" diameter 40 element tip. ALWAYS dispense a small beginning portion onto cardboard to prevent non-mixed material from entering joint. Improper mixing may result in product failure.

PRODUCT APPLICATION: Discard the unmixed portion of mixed material at the start of each application. This product has a very short pot life of 1-2 minutes and should be applied using plural component pump equipment or dispensed with a dual cartridge caulking gun using a 3/8" diameter 40 element tip. Make sure the material applied is uniform in color which would indicate the product is mixed well. If marbling occurs, review your application equipment to ascertain if it will correctly mix the material. Apply the mixed product by pumping the mixed material into the expansion joint to be repaired. Remove any excess material with a putty knife or similar tool after the material has set up enough to cut through with a razor scraping toll. Maintain temperatures within the recommended ranges during the application and curing process. When temperatures are lower, allow more time for this material to cure.

RECOAT OR TOPCOATING: No recoating or topcoating is necessary. However, if you opt to topcoat the applied joint compound, allow it to cure before topcoating. It is not necessary to prime over the joint compound prior to topcoating the joint compound. Many epoxies and urethanes can be used. In some instances, especially when excessive expansion joint movement is involved, topcoats may chip or crack. However, most epoxy or topcoat products will adhere to the joint compound very well.

CLEANUP: Use xylol.

FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with a product and process tested.

RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our product is manufactured to the specifications as stated her or in other publications. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Any use or application other than recommended herein is the sole responsibility of the user. Uncured epoxy resins, polymers and their curing agents may be ALKALINE, TOXIC or BOTH, depending on the particular system. They may cause ALLERGIC REACTIONS or HYPERSENSITIVITY REACTIONS. BEFORE USING any material, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM. COPYRIGHT 01/12/15 SPARTAN EPOXIES LTD.