

Sikadur®-72 JNS

Flexible, abrasion and impact-resistant joint nosing mortar

Description	Sikadur-72 JNS is a flexible, abrasion and impact resistant polymer mortar comprised of a two-component, 100% solids, moisture tolerant epoxy resin binder and silica aggregate.
Where to Use	Use for exterior, above grade concrete surfaces (ie. bridge decks, parking structures and ramps) requiring a flexible, impact and abrasion resistant joint.
Advantages	<ul style="list-style-type: none"> ■ Fast Settling for quick turn around ■ Abrasion and impact resistant ■ Excellent bond to Asphalt and Concrete ■ Flexibility allows for some substrate movement
Coverage	1 can A, 1 can B and 1 bag of part C yield 0.5 cubic feet of mortar
Packaging	Box cont. 0.5 gal A, 0.5 gal B, 50lb bag of sand

Typical Data [Material and curing conditions @ 73°F (23°C) and 50% R.H.]

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	2 years in original, unopened containers.	
Storage Conditions	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-85°F (18°-29°C) before using.	
Color	Gray	
Traffic Time	4 hours	
Neat Resin Properties		
Mixing Ratio	1:1	
Viscosity	Approximately 2000 cps	
Pot Life (ASTM C881)	Approximately 15-20 mins (60g mass)	
Tensile Strength (ASTM D-638)	2650	
Elongation (ASTM D-638)	48%	
Shore D Hardness	72	
Cured Mortar		
Compressive Strength (ASTM C-579)	1 day	5500 psi
Bond Strength (ASTM C-882)	2 days	1,300 psi
	14 days	1,800 psi

* Material cured and tested at the temperatures indicated.



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How to Use

Surface Preparation Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants.

Preparation Work: Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface CSP 3-4 to CSP-4 by blast cleaning or equivalent mechanical means.

Steel - Should be cleaned and prepared thoroughly by blast cleaning to white metal finish.

Mixing Parts A and B must be thoroughly mixed together prior to adding part C. Combine parts A and B in a bucket and mix thoroughly for 2 minutes with a low-speed drill and egg-beater mixing blade (i.e. a jiffy mixing paddle), or appropriate mortar mixer. Slowly add part C and continue mixing until aggregate is fully wetted, approximately 3 minutes.

Application Place material into joint or repair and tool with a margin trowel to achieve desired for. Press down on material to compact the mortar prior to finishing, in order to ensure the right physical properties are achieved. The height of the mortar must never be greater than that of the substrate, or there is increased risk of damage by snowplows and other forms of impact. Once mortar has been placed in the desired location, it must be compacted in order to achieve proper physical characteristics. This is achieved by pressing down on any exposed mortar surface with a margin trowel or other suitable tool. If done properly, there will be no open pores or voids visible on the surface, and a thin layer of liquid resin will rise to the surface.

Limitations

- Minimum substrate and ambient temperature 40°F (4°C).
- Minimum age of concrete before application is 21-28 days depending upon curing and drying conditions.
- Do not dilute resin. Addition of solvents will prevent proper cure
- Material is a vapor barrier after cure
- Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure.

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KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. FOR PROFESSIONAL USE ONLY.

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Safety Data Sheet which are available online at <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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