

# Sikadur®-72 JNS

## Flexible, abrasion and impact-resistant joint nosing mortar

<b>Description</b>	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.
<b>Where to Use</b>	Use for exterior, above grade concrete surfaces (ie. bridge decks, parking structures and ramps) requiring a flexible, impact and abrasion resistant joint.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>■ Fast Settling for quick turn around</li> <li>■ Abrasion and impact resistant</li> <li>■ Excellent bond to Asphalt and Concrete</li> <li>■ Flexibility allows for some substrate movement</li> </ul>
<b>Coverage</b>	1 can A, 1 can B and 1 bag of part C yield 0.5 cubic feet of mortar
<b>Packaging</b>	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.

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

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