PRODUCT DATA SHEET
Sikaflex®-2c NS EZ Mix
TWO-COMPONENT, NON-SAG, POLYURETHANE ELASTOMERIC SEALANT

PRODUCT DESCRIPTION
Sikaflex®-2c NS EZ Mix is a 2-component, premium-grade, polyurethane-based, elastomeric sealant. It is principally a chemical cure in a non-sag consistency. Meets ASTM C 920, Type M, Grade NS, Class 25, use T, NT, M, G, A, O, I and Federal specification TT-S-00227E, Type II, Class A. Meets Canada Standard CAN/CGSB 19.24 - M90.

USES
- Intended for use in all properly designed working joints with a minimum depth of ¼ inch.
- Ideal for horizontal, vertical, and overhead applications.
- Placeable at temperatures as low as 40 °F.
- Adheres to most substrates commonly found in construction.
- Submerged environments, such as canal and reservoir joints.

CHARACTERISTICS / ADVANTAGES
- Capable of +50 % joint movement.
- Chemical cure allows the sealant to be placed in joints exceeding ½ in. in depth.
- High elasticity with a tough, durable, flexible consistency.
- Exceptional cut and tear resistance.
- Exceptional adhesion to most substrates without priming.
- Available in 35 architectural colors.
- Color uniformity assured via Color-pak system.
- Available in pre-pigmented Limestone Gray (no Color-pak needed).
- Non-sag even in wide joints.
- Certified to the NSF/ANSI Standard 61 for potable water.
- Easy to mix.
- Paintable with water-, oil-, and rubber-base paints.
- Jet fuel resistant.
- Cold weather booster for initial tack (see reverse side for data).
- Shore A hardness can be increased by using “TG” additive. See Sikaflex-2c NS TG data sheet for specific details.

ENVIRONMENTAL INFORMATION
- LEED® EQc 4.1
- SCAQMD, Rule 1168
- BAAQMD, Reg. 8, Rule 51

APPROVALS / STANDARDS
- Certified to NSF/ANSI standard 61 for portable water
PRODUCT INFORMATION

Packaging
1.5 gal. unit, 3 gal unit.

Color
A wide range of architectural colors are available.
Special colors available on request.

Shelf Life
One year in original, unopened containers.

Storage Conditions
Store dry at 40–95 °F (4–35 °C).
Condition material to 65–75 °F before using.

TECHNICAL INFORMATION

Shore A Hardness
25 ± 5 (73 °F (23 °C) and 50 % R.H.) (ASTM D-2240)

Tensile Strength
95 psi (73 °F (23 °C) and 50 % R.H.) (ASTM D-412)

Tensile Stress at Specified Elongation
70 psi at 100 % (73 °F (23 °C) and 50 % R.H.) (ASTM D-412)

Elongation at Break
300 % (73 °F (23 °C) and 50 % R.H.) (ASTM D-412)

Adhesion in Peel

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Peel Strength</th>
<th>Adhesion loss</th>
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<tbody>
<tr>
<td>Concrete</td>
<td>&gt;15 lb.</td>
<td>0%</td>
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(73 °F (23 °C) and 50 % R.H.) (Fed Spec.TT-S-00227E)

Tear Strength
45 lbs./in. (73 °F (23 °C) and 50 % R.H.) (ASTM D-624)

Chemical Resistance
Good resistance to water, diluted acids, diluted alkalines, and residential sewage. Consult Technical Service at 1-800-933-SIKA for specific data.

Resistance to Weathering
Excellent

Service Temperature
-40 °F to 170 °F (-40°C to 75 °C).

APPLICATION INFORMATION

Coverage

<table>
<thead>
<tr>
<th>1 gallon: Yield in Linear feet</th>
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<tbody>
<tr>
<td>Width/Depth</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td>3/8&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
</tr>
<tr>
<td>1.25&quot;</td>
</tr>
<tr>
<td>1.5&quot;</td>
</tr>
</tbody>
</table>

Ambient Air Temperature
40 °F to 100 °F
Sealant should be installed when joint is at mid-range of its anticipated movement.

Substrate Temperature
40 °F to 100 °F
Sealant should be installed when joint is at mid-range of its anticipated movement.

Pot Life
Sikafolex®-2c NS EZ Mix Working Time (hours)
APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Recommended application temperatures 40–100 °F. Pre-conditioning units to 65–75 °F is necessary when working at extremes. Move pre-conditioned units to work areas just prior to application. Apply sealant only to clean, sound, dry, and frost-free substrates. Sikaflex-2c should be applied into joints when joint slot is at mid-point of its designed expansion and contraction. To place, load directly into bulk gun or use a follower plate loading system. Place nozzle of gun into bottom of joint and fill entire joint. Keeping the nozzle deep in the sealant, continue with a steady flow of sealant preceding nozzle to avoid air entrapment. Also, avoid overlapping of sealant since this also entraps air.

Tooling and Finishing

Tool sealant to ensure full contact with joint walls and remove air entrapment. Joint dimension should allow for 1/4 inch minimum and 1/2 inch maximum thickness for sealant. Proper design is 2:1 width to depth ratio. To accelerate the cure of Sikaflex®-2c NS EZ Mix in cold weather temperatures, add Sikaflex-2c booster.}

Removal

Uncured material can be removed with xylene. Strictly follow solvent manufacturer’s warnings and instructions for use. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.

LIMITATIONS

- The ultimate performance of Sikaflex®-2c NS EZ Mix, depends on good joint design and proper application.
- Minimum depth in working joint is 1/4 in.
- Maximum expansion and contraction should not exceed 50 % of average joint width.
- When used in areas with heavy traffic either recess joint or use TG (Traffic Grade) Additive to increase durability.
- Do not cure in the presence of curing silicones.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Allow 3 day cure before subjecting sealant to total water immersion. Primer is required if sealant will be subjected to total water immersion.
- Avoid exposure to high levels of chlorine. (Maximum level is 5 ppm).
- Do not apply when moisture vapor transmission exists since this can cause bubbling within the sealant.
- Avoid over-mixing sealant.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow if exposed to direct gas fired heating elements.
- When overcoating, an on-site test is recommended to determine actual compatibility.
- Rigid paints, coatings or primers will crack when placed

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**Product Data Sheet**

Sikaflex®-2c NS EZ Mix

April 2020, Version 01.07

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over elastomeric sealants experiencing expansion or contraction

Do not use in contact with bituminous/asphaltic materials.

**BASIS OF PRODUCT DATA**

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

**OTHER RESTRICTIONS**

See Legal Disclaimer.

**ENVIRONMENTAL, HEALTH AND SAFETY**

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

**LEGAL DISCLAIMER**

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

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SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product

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