

April 28, 1994

Mr. Larry Valentine  
ASHLAND CHEMICAL  
P.O. Box 2219  
Columbus, Ohio 43216



RE: Sika Pronto 19, SikaPronto 19 TF  
Chemical Resistance

Dear Mr. Valentine:

Please be advised that SikaPronto 19, and SikaPronto 19 TF, when mixed, placed, and cured in accordance with the Sika Technical Data Sheet, are appropriate materials for structurally repairing cracked concrete. SikaPronto 19 and SikaPronto 19TF are solvent-free, high molecular weight methacrylates, that penetrate cracks by gravity and seal concrete substrate surfaces.

In addition, based on strict testing performed by Sika Corporation, 201 Politio Avenue, Lyndhurst NJ 07071, SikaPronto 19 and SikaPronto 19TF demonstrated excellent resistance against the following list of chemicals, after one (1) month of primary contact (material and curing conditions 73°F and 50% R.H.):

CHEMICALS (75°F test temperature)

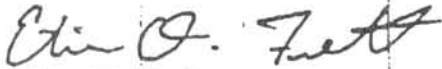
Sodium Chloride Solution  
Sodium Hydroxide 30%  
Cement Water (Saturated)  
Detergent Solution (5% Ajax)  
Hydrochloric Acid 10%  
Sulfuric Acid 10%  
Oxalic Acid 10%  
Citric Acid 10%  
Fuel Oil (Home Heating)  
Gasoline (Unleaded)  
Iso-Octane  
Toluol  
Silage  
Synthetic Silage  
Ethyl Alcohol\*  
Zylene 10%  
MEK 10%

\* Material destroyed after one (1) month of primary contact.

Based on these results, it is Sika Corporation's opinion that, SikaPronto 19 and SikaPronto 19TF may provide resistance to the submitted list of materials for intermittent and secondary containment conditions.

If I can provide additional information, please contact the Technical Service Department at (800) 933-SIKA or (708) 924-7900.

Sincerely,  
SIKA CORPORATION, INC.



Etien O. Frett  
Technical Service Representative

cc: Eric Ernst  
Todd C. Spindler  
Tom Zuppa

ETIEN2/ASHCHM19

# SikaPronto® 19

Improved, modified-methacrylate  
crack healer/penetrating sealer

Technical Data



<b>Description:</b>	SikaPronto 19 is a 2-component, rapid-curing, solvent-free, modified-methacrylate, crack healer/penetrating sealer.
<b>Where to Use:</b>	Use on grade, above, and below grade on concrete and mortar. SikaPronto 19 structurally repairs cracked concrete; seals surface of concrete from water and chlorides. For horizontal decks, slabs, patios, driveways, parking garages, and other substrates exposed to foot and pneumatic-tire traffic.
<b>Advantages:</b>	<ul style="list-style-type: none"><li>● Structurally improves concrete surface.</li><li>● Easy on-site batching - use only complete units.</li><li>● Does not produce a vapor barrier.</li><li>● Low viscosity for easy, topical applications and excellent penetration into cracks.</li><li>● Not flammable.</li><li>● Low odor.</li><li>● High bond strength.</li><li>● Prolongs life of cracked concrete.</li><li>● Flash point, 'A' Component, is a high, safe-to-work-with 220F.</li><li>● As a penetrating sealer, SikaPronto 19 reduces water absorption and chloride-ion intrusion.</li></ul>
<b>Coverage:</b>	150-200 sq ft/gal for crack healing and surface sealing. Coverage varies with porosity and surface profile of substrate. Higher porosity will reduce coverage. 300-400 sq ft/gal when used as a prime coat for SikaPronto 11 concrete and SikaPronto Broadcast.
<b>Packaging:</b>	1-gal units, 4/ctn; 4.5-gal units.

**Typical Data for SikaPronto 19:**

(Material and curing conditions @ 73F and 50% R.H.)

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Shelf Life:	1 year in original, unopened containers.
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Storage Conditions:	Store dry at 40-80F. Condition material to 65-75F before using. Storage at higher temperatures will reduce shelf life.
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Color:	Light purple when liquid; light amber after cure.
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Mixing Ratio:	Plant-proportioned kit; mix entire unit.
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Methacrylate Monomer Viscosity:	25 cps maximum
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Pot Life:	Approximately 20 minutes.
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**Compressive Properties (ASTM D-695):**

**Compressive Strength, psi**

	40F*	73F*	90F*
1 hour	-	1,000	1,900
2 hour	-	2,700	2,300
1 day	1,800	3,500	2,900
7 day	3,500	4,300	3,100

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**Flexural Properties (ASTM D-790):**

1 day - Flexural Strength - (Modulus of Rupture) 2,500 psi

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**Bond Strength (ASTM C-882):**

(Hardened concrete to hardened concrete)

2 day (dry cure)- Bond Strength - 2,100 psi  
14 day (moist cure) - Bond Strength - 2,300 psi

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\*Material cured and tested at the temperatures indicated.