

SikaPronto® 19 TF (Tack Free)

New, fast traffic time, high molecular weight methacrylate, crack healer/penetrating sealer

Description	SikaPronto 19 TF is a 2-component, rapid-curing, solvent-free, high molecular weight methacrylate, crack healer/penetrating sealer, with an extremely fast traffic time to minimize downtime.
Where to Use	Use on grade, above and below grade on concrete and mortar. SikaPronto 19 TF 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.
Advantages	<ul style="list-style-type: none"> ■ Penetrates cracks by gravity. ■ Structurally improves concrete surface. ■ Opens to traffic in under 3 hours. ■ Easy-to-use, 2-component system. ■ Does not produce a vapor barrier. ■ Low viscosity for easy, topical applications and excellent penetration into cracks. ■ Low odor. ■ High bond strength. ■ Prolongs life of cracked concrete. ■ As a penetrating sealer, SikaPronto 19 TF reduces water absorption and chloride-ion intrusion.
Coverage	Typical coverage is 90-150 sq. ft./gal. for crack healing and surface sealing. Coverage varies with porosity and surface profile of substrate. Higher porosity will reduce coverage.
Packaging	1 gal. units, 4/carton; 4.5 gal. units.

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 Component 'A': 3 months in original, unopened container.
Component 'B': 6 months in original, unopened container.

Storage Conditions Store dry at 40°-95°F (4°-35°C). **Condition material to 65°-75°F (18°-24°C) before using.** Storage at higher temperatures may cause material to pre-polymerize and will reduce shelf life.

Color Dark purple when liquid; light amber after cure.

Mixing Ratio Plant-proportioned kit; mix entire unit.

Methacrylate Monomer Viscosity 25 cps maximum.

Pot Life Approximately 15 minutes.

Bulk Cure Time 90 minutes maximum.

Traffic Time 3 hours maximum.

Flexural Properties (ASTM D-790)

1 day Flexural Strength (Modulus of Rupture) 2,500 psi (17.2 MPa)

Bond Strength (ASTM C-882): Hardened concrete to hardened concrete

2 day (dry cure) Bond Strength 2,100 psi (14.4 MPa)

14 day (moist cure) Bond Strength 2,300 psi (15.8 MPa)

Compressive Properties (ASTM D-695)

Compressive Strength, psi (MPa)

	40°F* (4°C)	73°F* (23°C)	90°F* (32°C)
1 hour	-	1,000 (6.8)	1,900 (13.1)
2 hour	-	2,300 (15.8)	2,700 (18.6)
1 day	1,800 (12.4)	2,900 (20.0)	3,500 (24.1)
7 day	3,500 (24.1)	3,100 (21.3)	4,300 (29.6)

* Material cured and tested at the temperatures indicated.



How to Use

Surface Preparation	Substrate must be clean, sound and free of surface moisture. Remove dust, laitance, grease, oils, curing compounds, waxes, impregnations, foreign particles, coatings and disintegrated materials by mechanical means (i.e., blast cleaning). For best results, substrate should be dry. However, a saturated surface dry condition is acceptable.
Mixing	Before adding 'B' Component, mix 'A' Component for 30 seconds with a low-speed drill using a Sika paddle. Empty entire contents of 'B' Component into pail containing 'A' Component. Mix for 3 minutes with a low-speed drill (400-600 rpm) using a Sika paddle. Caution: Mix only that quantity that can be placed within the pot life. Material should be quickly poured from pail onto concrete surface to prolong working life.
Application	<p>SikaPronto 19 TF is applied to horizontal surfaces by roller, squeegee or broom. Spread material over area and allow to pond over cracks. Let material penetrate into cracks and substrate; remove excess material leaving no visible surface film. For cracks greater than 1/8 in. (3 mm) wide, fill crack with oven-dried sand before applying SikaPronto 19 TF. Seal cracks from underside, when accessible, to prevent leakage.</p> <p>A second treatment may be required on very porous substrates. Apply second treatment before broadcast-ing. After treatment, wait at least 20 minutes at 73°F (23°C); cover with light broadcast of a dry 8/20 or similar sand. Distribute evenly over the surface at a rate of 15 to 20 lbs./100 sq. ft. Allow to cure 3 hours at 73°F (23°C). Remove any loose sand and open to traffic. Consult Sika Technical Service for additional information.</p>
Limitations	<ul style="list-style-type: none"> ■ Do not delay broadcasting more than 20 minutes @ 73°F (23°C). ■ Do not thin. Addition of solvents will prevent proper cure. ■ Minimum ambient and substrate temperature 35°F (2°C). ■ Minimum age of concrete is 21-28 days, depending on curing and drying conditions. ■ Sealed concrete surface may appear blotchy due to differential absorption. ■ Not designed to seal cracks subject to hydrostatic pressure at the time of application.
Caution	<p>Component 'A': Irritant; Suspect Carcinogen; Combustible - Contains styrene. Keep away from sparks and open flames. Skin, eye, and respiratory tract irritant. Other target organs: CNS, kidney, liver. Avoid contact. Avoid breathing vapors. Use only with adequate ventilation. Styrene is listed by IARC as a possible carcinogen, IARC 2B. (Not listed by NTP.) Use of safety goggles and chemical resistant gloves is recommended. Product may be rapidly absorbed through skin. In case of high vapor concentrations or exceedance of PELs, use an appropriate NIOSH approved respirator. Wash thoroughly after use. Remove contaminated clothing.</p> <p>Component 'B': Irritant; Organic Peroxide; Combustible - Contains benzoyl peroxide. Skin and eye irri-tant. Avoid contact. Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of high vapor concentrations or exceedance of PELs, use an appropriate NIOSH approved respirator. Wash thoroughly after use. Remove contaminated clothing.</p>
First Aid	Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin: Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation: Remove person to fresh air. Ingestion: Do not induce vomiting. In all cases, contact a physician immediately if symptoms persist.
Clean Up	Ventilate area of spill. Remove sources of ignition. Confine spill. Collect and/or absorb and dispose of in ac-cordance with current, applicable local, state and federal regulations. Remove uncured material from tools and mixing equipment with water. Cured material can only be removed mechanically.

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

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