

Service Temperature	-40°F (-40°C) min. / 240°F (115°C) max.
Curing Time at 68°F (20°C) at 1/4 in. (6 mm)	
Usable pot life	18-22 min
Initial joint up time	23-27 min
Cure to foot traffic	10-12 hr
Cure to light traffic	20-22 hr
Full cure	5 days
Compressive Strength ASTM C 579	
24 hr	2900 psi (20 MPa)
7 days	4500 psi (31 MPa)
28 days	5075 psi (35 MPa)
Tensile Strength ASTM C 307	360 psi (2.5 MPa)
Flexural Strength ASTM C 580	1175 psi (8.1 MPa)
Bond Strength ASTM D 4541	> 250 psi (1.75 MPa) (substrate failure)
Hardness, Shore D ASTM D 2240	80-85
Indentation MIL-PRF-24613	~ 0%
Impact Resistance ASTM D 2794	6.70 ft/lbf (9.08 joules) at 1/8 in (3 mm) of thickness
Abrasion Resistance ASTM D 4060	
H-22/1000 cycles/1000 g	-4.01 g
Coefficient of Friction ASTM D 1894-61T	0.8
Coefficient of Thermal Expansion ASTM D 696	0.72 x 10 ⁻⁵ in/in/°F (1.3 x 10 ⁻⁵ mm/mm/°C)
Water Absorption ASTM C 413	0.16%

Mixing	Mixing will be affected by temperature; condition materials for use to 60-70°F (15-21°C). Premix Components A and B separately, make sure all pigment is uniformly distributed. Start mixer; add Components A and B, blend for 30 seconds. Add Component C (powder) pouring slowly over a period of 15 seconds. DON'T DUMP! Allow Component C to further blend for 2 more minutes to ensure complete mixing and that all powders are wetted out. During the operations, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once (Components A+B+C) to ensure complete mixing. <i>Mix full units only.</i>
Application	Primer Coat - Mix and apply Sikafloor PurCem Primer 10 at a rate of approximately 160 ft ² /gal (4 m ² /L) using a brush or roller to provide uniform coverage. Primer must be tacky during the application of Sikafloor PurCem 29N mortar. Only mix and apply enough primer that can be overlaid before it cures (approximately 1 hour at 68°F/20°C). If the primer becomes glossy or loses tackiness, remove any surface contaminates then recoat with additional Primer 10. Mortar - Mix and apply Sikafloor PurCem 29N using steel trowels to spread and compact the mortar on vertical surfaces. A light brushing or rolling with a plastic loop or mohair roller while the mortar is still workable will close any surface voids. Allow a minimum 12 hour cure period at 68°F (20°C).
Limitations	<ul style="list-style-type: none"> ■ IMPORTANT: Product must be protected from freezing. If frozen, discard. ■ Do not apply below 45°F (7°C) or above 85°F (29°C) / maximum relative humidity 85%. ■ Do not apply thicker than maximum recommended thickness of 1/4". ■ Do not apply to un-reinforced sand cement screeds, asphaltic or bitumen substrate, glazed tile or non-porous brick, tile, and magnesite, copper, aluminium, soft wood, or urethane composition, elastomeric membranes, or fiber reinforced polyester (FRP) composites, epoxy mortars or coatings. ■ Do not apply to wet or green concrete or polymer modified patches if the moisture content is > 10%. ■ Do not apply to concrete if air or substrate temperature is within 5°F (3°C) of dew point. ■ Protect substrate during application from condensation from pipes or any overhead leaks. ■ Do not mix Sikafloor PurCem materials by hand. Mechanically mix only. ■ Color uniformity cannot be completely guaranteed from batch to batch (numbered). Take care when using Sikafloor PurCem products to draw from inventory in batch number sequence, do not mix batch numbers in a single floor area.
Caution	<p>A - CAUTION: IRRITANT. Contains Polyester/Polyether Polyol dispersed in water (Mixture). May cause eye/skin/respiratory irritation. May be harmful if swallowed. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.</p> <p>B - WARNING: IRRITANT, SENSITIZER. Contains Polymeric Diphenylmethane Diisocyanate (CAS 9016-87-9). Causes eye/skin/respiratory irritation. Prolonged and/or repeated contact with skin or by inhalation may cause allergic reaction/sensitization. May be harmful if swallowed.</p> <p>C - WARNING: IRRITANT, SENSITIZER. Contains Silica Quartz (CAS 14808-60-7) and Portland Cement (CAS 65997-15-1). Causes eye irritation. May cause skin/respiratory irritation. Prolonged and/or repeated skin contact may cause an allergic reaction/sensitization. May cause delayed lung damage (silicosis). May be harmful if swallowed. Deliberate misuse by inhalation of vapors may be harmful or fatal. Strictly follow all usage, handling and storage instructions</p> <p>WARNING: This product contains a chemical known to the State of California to cause cancer.</p>



Industrial Flooring

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 to fresh air. Ingestion - Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Handling and Storage	Avoid direct contact with eyes and skin. Wear chemical resistant gloves/goggles/clothing. Avoid breathing vapors. Use with adequate general and local ventilation. In absence of adequate ventilation, use properly fitted NIOSH approved respirator. Wash thoroughly after handling product. Store in a cool, dry, well ventilated area. Keep containers tightly closed.
Clean Up	Wear chemical resistant gloves/goggles/clothing. In absence of proper ventilation use properly fitted NIOSH respirator. Uncured material can be removed with approved solvent. Follow solvent manufacturer's instructions for use and warnings. Cured material (when Component 'A' combined with Component 'B' and Component 'C') can only be removed mechanically. In case of spill, ventilate area and contain spill. Collect with absorbent material (Component 'A' and Component 'B') and place in properly sealed container. Shovel Component 'C' into approved container. Dispose of in accordance with current applicable local, state and federal regulations.

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

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1-800-933-SIKA NATIONWIDE

Regional Information and Sales Centers. For the location of your nearest Sika sales office, contact your regional center.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537


