



PRODUCT DATA SHEET

SikaSet® Plug

FAST-SETTING, PORTLAND-CEMENT WATER-STOP

PRODUCT DESCRIPTION

SikaSet® Plug is a versatile, fast-setting, Portland cement water-stop.

USES

- When mixed with water it becomes a mortar/grout to stop pressure leakage and seepage.
- For grouting railings of wood, concrete, and metal.
- Use in sewers, wastewater treatment plants, basements, sumps, pools, tunnels, and other applications.

CHARACTERISTICS / ADVANTAGES

- Rapid set time
- Excellent bond to concrete and masonry
- Resists sewage
- Use on the vertical or horizontal surfaces
- Indoor or outdoor applications

PRODUCT INFORMATION

Packaging	5 gal (50 lb / 22.7 kg) pail
Appearance / Color	Concrete gray
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store dry at 40–95 °F (4–35 °C) Protect from moisture. If damp, discard material. Condition material to 65–75 °F before using.

Indicative Performance of Mortar Mix**Initial Set Time**

~ 90 sec

(ASTM C-266)

Compressive Strength

1 day	4,200 psi (28.9 MPa)
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(ASTM C-109)

7 days	6,800 psi (46.9 MPa)
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Tensile Strength

7 days	600 psi (4.1 MPa)
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(ASTM C-496)

28 days	700 psi (4.8 MPa)
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APPLICATION INFORMATION

Coverage	0.46 ft ³ / 800 in ³ (0.01 m ³) per pail (Coverage figures do not include allowance for surface profile and porosity or material waste)
Ambient Air Temperature	> 40 °F (4 °C)
Substrate Temperature	> 40 °F (4 °C)

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- Chip away soft, deteriorated, unsound substrate.
- Clean cavity completely.
- Lightly dampen the substrate just prior to application if necessary.

MIXING

- Mix with clean water to obtain desired consistency.
- Do not over-mix.
- Do not over-wet.
- Do not retemper.
- Mix ratio is 1:4 (water:powder).

APPLICATION METHOD / TOOLS

- Plug minor leaks first working from the edges.
- Place SikaSet® Plug firmly into the crack or hole.
- For large openings, form compound into a carrot shape, and when plug is firm, ram it into cavity.
- Hold in place with heel of rubber gloved hand.
- Let go, strike off flush with surface.

LIMITATIONS

- Use only potable water for mixing.
- As with all cement based materials, avoid contact with aluminum to prevent adverse chemical reaction and possible product failure. Insulate potential areas of contact by coating aluminum bars, rails, posts etc. with an appropriate epoxy such as Sikadur Hi-Mod 32.

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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