



# POLYURETHANE CONSTRUCTION ADHESIVE



Sakrete® Polyurethane Construction Adhesive is a strong adhesive that bonds many materials together. It is a one component product which can also be used to fill cracks in concrete.

## Features:

- High bond
- Very flexible
- Width range of temperature resistance
- UV stable
- High tensile strength

## Use For:

- Bonding materials together such as block, brick, wood, metal, roofing tiles, ceramic tiles, masonry, etc.
- Bonding cap blocks to top of retaining walls

## Yield/Coverage:

Tube Size	Yield (Fills a space approximately)
10.3 fl oz (304 mL)	1/4" x 1/2" x 12' (6 mm x 13 mm x 3.6 m)
29 fl oz (857 mL)	1/4" x 1/2" x 33' (6 mm x 13 mm x 10 m)

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage.

## Color:

Gray

## Technical Data:

Appearance	Pasty
Color	Various
Density at 68°F (20°C)	Black: 1.15 ± 0.02 Others: 1.16 ± 0.02
Sagging (ISO 7390)	None
Application temperature	41°F (5°C) to 95°F (35°C)
Skin formation time at 73°F (23°C) and 50% HR	Approximately 60 min.
Cure time at 73°F (23°C) and 50% HR	4 mm/24 h
Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 45

Tear strength (DIN 53515)	Approx. 10 N/mm
Temperature resistance	-40°F (-40°C) 194°F (90°C)
Resistance to dilute acids and bases	Average
UV resistance	Good
Water and salt spray resistance	Excellent
Compatibility with paints	Water based: yes Solvent based: carry out tests beforehand

## DIVISION 7

Joint Sealant 07 92 00

## Preparation:

For best results all materials should be stored between 60°F (16°C) and 80°F (27°C) 24 hours prior to installation.

1. Surface must be clean, dry and free from all contaminants that will interfere with bonding.
2. When used to fill cracks or joints they should be a minimum of 1/4" (6 mm) wide and 1/4" (6 mm) deep and a maximum of 1/2" (13 mm) deep.
3. Deeper cracks should be filled with backer rod first.
4. Do not use around silicone sealants.

## Application:

1. Cut tube nozzle to desired bead width and puncture seal at the inside base of the tip.
2. Using a caulking gun squeeze onto the surface to be bonded.
3. Adhesive should be applied when surface and air temperatures are between 41°F (5°C) and 95°F (35°C).

## Clean up:

Clean with MEK or acetone before sealant has cured. Cured material must be removed by mechanical means.

## Curing:

Adhesive remains tacky for up to 2 hours and fully cures in 7 days.

## Precautions:

- Gloves are recommended to be worn during application.
- Protect from rain for 24 hours and from freezing for 48 hours

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

## Safety:

READ and UNDERSTAND the Safety Data Sheet (SDS) before using this product. WARNING: Wear protective clothing and equipment. For emergency information, call CHEMTREC at 800-424-9300 or 703-527-3887 (outside USA).

**KEEP OUT OF REACH OF CHILDREN.**



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## **Limited Product Warranty:**

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the dates the product is purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement or defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.