ALCHATEK SLABSEAL 142

SINGLE-COMPONENT, MOISTURE-CURE
SILICONE SEALANT

TECHNICAL DATA

Description

Alchatek SlabSeal 142 is a high-performance, single-component, moisture-cure, ultra-low modulus silicone sealant.

Uses

- Vertical and overhead expansion, control, and isolation joints
- Precast panel joints and curtain wall perimeters
- Window, door, and glazing perimeter seals
- Above-grade masonry, EIFS, and metal panel joints
- Coping, parapet, and flashing transitions
- Joints exposed to prolonged UV, weathering, and wide temperature swings
- High cyclic movement joints
- Dissimilar material transitions with differential movement

Advantages

- High strength
- Durable
- Flexible and low modulus
- Long service life

Limitations

- Not for structural or load-bearing joints; lacks the abrasion, puncture, and point-load resistance required for structural stability.
- Not intended for active water leaks.
- Not paintable or coatable.
- Not for submerged or continuous immersion service.
- May stain porous substrates (natural stone, marble, granite, some architectural concrete). Test an inconspicuous area first.
- Do not apply over damp, frosted, contaminated, or unsound substrates.
- Do not fill joints solid. Use closed-cell or bi-cellular backer rod on all moving joints.
- Remove existing sealant fully; do not apply over other chemistries.
- Not for traffic-bearing horizontal joints.

Alchatek SlabSeal 142 Properties	
Specific Gravity	1.13
Extrusion Rate (3.2mm (1/8") orifice, 90psi	100 grams/min
Slump/Sag	Nil
Cure System	Neutral (Oxime), Moisture Cure
Cured at Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	20 points
Tensile Strength (ASTM D412)	150 psi (10.5 kg/cm^2)
Tensile Strength at 150% Elongation (ASTM D412)	42 psi (3.0 kg/cm^2)
Elongation at Break (ASTM D412)	1000%
Joint Movement Capability (ASTM C719)	+100% / 50%
Accelerated Weathering (ASTM C793)	No degradation

Storage and Shelf Life
Store between 50° - 80° F (10° - 26° C).

Estimating Quantities
Sealant consumption should be determined based on the width, depth, and total length of the joint, crack, or penetration to be sealed. Actual coverage may vary depending on joint geometry, surface condition, and application technique. Allow for normal material loss during application and tooling.

Application and Safety Precautions
Apply Alchatek Slabseal silicone to clean, dry, and structurally sound concrete surfaces. Remove dust, laitance, oil, grease, curing compounds, loose material, and other contaminants that may interfere with adhesion. Use appropriate personal protective equipment and avoid contact with eyes and skin. Ensure adequate ventilation during application and curing. Review the Safety Data Sheet at Alchatek.com before use. For best results, verify adhesion to the prepared concrete surface prior to full application. For additional application or safety guidance, contact the Alchatek Technical team.

Supplier Details
Alchatek
4508 Bibb Blvd
Tucker, GA 30084
T: (404) 618-0438

Emergency Phone Numbers
Call CHEMTREC
Day or Night
1-800-424-9300
+1 703-527-3887

Limited Warranty
Alchatek warrants this product to be free from manufacturer's defects and to meet all published properties on current Technical Data Sheet for a period of one year if used according to published instructions and within the shelf life. The user is responsible for determining suitability for intended use and assumes all risk. No other warranties expressed or implied shall apply including any warranty of merchantability or fitness for a particular purpose. Purchaser's sole remedy is limited to the purchase price or product replacement exclusive of cost of labor or other materials.

Latest Information
Before each use read latest Technical Data Sheets, Safety Data Sheets, and instructions available at Alchatek.com. Nothing contained in any Alchatek materials or verbal instruction relieves the user of the obligation to read and follow all usage instructions and warnings for each product contained in the latest Technical Data Sheets and Safety Data Sheets. All information given by Alchatek about Alchatek products and procedures is given in good faith based on our current experience level and knowledge when materials are properly stored, handled, and applied. Jobsite conditions always vary, and for this reason Alchatek assumes no liability for the provision of such information or instructions. Neither shall any legal relationship be created by the provision of such information.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. READ MATERIAL SAFETY DATA SHEET PRIOR TO EVERY USE.

Properties will vary depending on application conditions.