

A HIGH PERFORMANCE SEALANT DESIGNED FOR USE IN A WIDE VARIETY OF GENERAL CONSTRUCTION AND ROOFING APPLICATIONS

ES CAULK is a high performance elastomeric sealant which adheres to masonry, wood, asphalt, metal and vinyl. ES Caulk may be used in a wide variety of roofing, window, door, siding, trim, architectural metal and general construction applications. ES Caulk may be applied to damp or oily surfaces in a wide range of temperatures.

USES and ADVANTAGES

- Adheres to masonry, wood, vinyl, metal and asphalt.
- Excellent adhesion to all building surfaces even when damp or oily.
- Exceptional elongation and flexibility.
- Expands 800% with full recovery.
- Can be applied at a wide range of temperatures.
- Easily applied, non-stringing formulation.
- Will not crack.
- Paintable.
- Mildew proof.
- Superior ultraviolet resistance.
- Available in crystal clear and colors.

SURFACE PREPARATION

Priming is not required on most surfaces, however, if adhesion to a particular substrate is in question, a test patch application is recommended. For best results all surfaces being caulked must be clean and structurally sound. All foreign materials such as dirt, dust, oils, grease, soot, loose paint, etc. should be removed. Do not use xylene or MEK to clean joints or to remove

surface coatings, unless the surface can be allowed to dry before application of the sealant. If the joint is wet with solvent, the sealant will not adhere properly. Contamination from curing agents and form release agents should be avoided.

APPLICATION

Joint Design:

For optimum results, joints should be a minimum of 4 times greater than the anticipated movement. Minimum recommended joint size should be 1/4" x 1/4". Maximum joint size should be 1/2" wide by 3/8" deep.

Joint Backing:

An open cell backer rod should be used to control joint depth. In shallow joints, a bond breaker tape should be installed to prevent three point contact.

Application and Tooling:

Apply with conventional equipment, filling the joint completely. When temperatures are below 40 degrees F, application will be easier if sealant is warmed. When temperature of the surface exceeds 140 degrees do not apply until the surface cools. A soap and water solution or a solvent such as xylene may be used as a lubricant for tooling. Do not let tooling agents contaminate open joints.

Painting:

Sealant may be painted after 24 hours. If using a relatively inflexible paint, allow sealant to dry for 3 days before painting. ES Caulk may be coated with any latex and most oil based paints. Some paints may crack due to dynamic (moving) joints. See paint manufacturers specifications.

CLEANING

Remove material from tools before it cures by scraping and/or the use of solvents such as xylene. Cured materials may be removed by cutting with sharp tools. Observe manufacturer's precautions when using flammable solvents.

PRECAUTIONS

Not Recommended For:

- Traffic bearing surfaces.
- Extruded polystyrene sheathing.
- Acrylic skylight glazing surfaces.
- Areas where food is processed or stored, unless sealant is cured until solvent dissipates.

Service Temperature:

- 40 degrees F to 180 degrees F.

Application Temperature:

- 40 degrees F to 140 degrees F.

COVERAGE

One 10 oz. cartridge will yield approximately 25.5 linear feet at 1/4" x 1/4" joint size.

Theoretical Yield per Cartridge:

<u>Joint Size</u>	<u>Linear Feet</u>
1/4" x 1/4".....	25.5
1/4" x 3/8".....	16.9
1/4" x 1/2".....	12.7
1/2" x 3/8".....	6.4



60 REAR NEWHALL STREET

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TECHNICAL DATA

Viscosity.....800 M cps.....Brookfield RVT-F
Spindle Helipath stand
(100 sec., 77 degrees F.)

Extrusion..... 2 sec.....ASTM C 603-90

Elongation (Peak).....870%.....ASTM D 412

Elongation (Peak)
after 500 hours

QUV.....1093%.....ASTM D 412

Tensile Strength (Peak).....407 PSI.....ASTM D 412

Cyclic Movement.....+ 25%.....ASTM C 719

Adhesion

Aluminum.....19 P.L.I.

Mortar.....12 P.L.I.

Glass.....20 P.L.I.

Wood.....17 P.L.I.

Vinyl.....12 P.L.I.

% Solids.....62.5

Tack Free.....72 hours

WARNING!

Apply with adequate ventilation. Avoid eye contact. Product may be harmful or fatal if swallowed. Do not induce vomiting. Seek immediate medical attention. Although solvent is considered mild, some people may experience a sensitivity from it. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

USE ONLY WITH ADEQUATE VENTILATION.

KEEP OUT OF THE REACH OF CHILDREN.

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective.

Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.

03-01-05

- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
- Traditional and Synthetic Stucco Systems
- Flooring Underlayments and Resurfacers