

Description

Knauf Insulation EcoSeal™, the latest technology in home energy solutions, is a fast drying, water-based elastomeric spray that seals penetrations and joints in the building envelope, including exterior walls, attics and floors. EcoSeal is installed with a simple airless sprayer. When it is installed, it dries to a flexible tough film with great bond strength, low odor and is extremely low in V.O.C's. EcoSeal should be used with Knauf Insulation EcoBatts® or Knauf Premium Blowing Insulation. Together, they are known as the KISS™ System (Knauf Insulation & Sealing System). The KISS system forms an effective, continuous and affordable air and thermal barrier for the building envelope.

Kit Description

Knauf Insulation has collected all the components in a convenient kit that contractors will need to start sealing immediately. These components include a GRACO Ultra Max 795 Airless Sprayer with 50 feet of hose, a 6 foot whip hose, spray gun, two nozzle extensions, tip guard and two spray tips. Also included is a hose reel, a digital display and an adapter/plug to enable the usage of two hoses simultaneously. Replacement parts and other accessories can be purchased at many paint supply stores.

Application

Knauf Insulation EcoSeal is applied directly from the bucket, with no thinning or mixing. Using an airless sprayer, EcoSeal's short curing time allows the installation of Knauf Insulation EcoBatts® or Knauf Premium Blowing Insulation in just a few hours, in most cases. Once cured, it remains flexible over a wide range of temperatures. EcoSeal is designed to be installed by trained applicators. For training, go to www.knaufinsulation.us.

Specification Compliance

- Meets or exceeds all state and federal VOC requirements for architectural sealants.
- VOCs: <0.3 grams/liter (less water, less exempt compounds-calculated).
- GREENGUARD™ Certified
- GREENGUARD for Children and Schools™ Certified

Technical Specifications Shelf Life

- 18 months in unopened containers.

Coverage Rate

- Approximately 2000 linear feet per bucket when applied at a ¼" bead.

Temperature Limits

- Application 20°F to 150°F
- Storage: 35°F to 120°F

Note: Protect from freezing. If frozen, completely thaw prior to use. Do not attempt thawing by mixing, stirring, blending or agitating. Material must be allowed to thaw completely and be above freezing when sprayed. Passes five freeze-thaw cycles.

Surface Burning Characteristics

- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E 84, UL 723 and CAN/ULC S102-M88.

Sound Transmission (Acoustics)

- In comparative testing per ASTM E90, EcoSeal provided a significant sound transmission reduction (10 dB) versus unsealed walls. For more information, comparing EcoSeal to alternative treatments, see www.knaufinsulation.us.

Microbial Growth

- Does not support microbial growth.
- Excellent resistance to mold and mildew.

Color

- Blue

Packaging

Knauf Insulation EcoSeal sealant is packaged in a 5 gallon pail. It ships 36 pails per pallet.

Installation of the KISS™ System

While the KISS™ System is relatively simple, Knauf Insulation offers training online at www.knaufinsulation.us to ensure installers understand all of the important details necessary to achieve optimal performance. An Application Guideline Manual is also available online or in hard copy form. In addition, further training can be arranged through your Knauf Insulation sales representative. Knauf Insulation recommends that contractors with KISS training be used wherever available.

Notes

The chemical and physical properties of Knauf Insulation EcoSeal sealant represent typical average values determined in accordance with accepted test methods. The data is supplied as technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

Check with your Knauf Insulation sales representative to assure information is current.



A component of the KISS™ System



Knauf Insulation EcoSeal Water-Based Elastomeric Sealant is certified for indoor air quality as a low emitting product by The GREENGUARD Environmental Institute to both the GREENGUARD Certification Program™ and the more stringent GREENGUARD For Children and Schools™ standard. www.greenguard.org

