

Description

Knauf Insulation EcoSeal+, now with Gasket Pro Technology, is a fast drying, water-based elastomeric spray that seals penetrations and joints in the building envelope, as well as provides a gasket between studs and drywall. EcoSeal+ dries to a flexible tough film and has great bond strength with low odor and zero V.O.C's. EcoSeal+ should be used with Knauf Insulation EcoBatts® or Knauf Insulation Premium Blowing Insulation. Together, they form the EcoSeal+ System—a high performance, continuous and affordable air and thermal barrier for the building envelope.

Kit Description

EcoSeal+ was engineered to utilize commonly available airless spray equipment. This helps keep costs low and allows easy maintenance. 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 most paint supply stores.

Application

Knauf Insulation EcoSeal+ is applied directly from the bucket, with no thinning or mixing. Using an airless sprayer, typical drying time allows the installation of EcoBatt Insulation or Knauf Insulation 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 ecoseal.knaufinsulation.us.

Specification Compliance

- Meets or exceeds all state and federal VOC requirements for architectural sealants.
- VOCs: 0

Technical Specifications

Shelf Life

- 18 months in unopened containers.

Coverage Rate

- Approximately 2400 linear feet per bucket when applied at a ¼" bead.

Temperature Limits

- Application: 20°F to 125°F
- Storage: 50°F to 120°F

Buckets should not be stored directly on cold concrete floors. Portable jobsite heaters are recommended when ambient temperature falls below 40°F.

Note: Protect from freezing. If frozen, completely thaw prior to use. Material must be allowed to thaw completely and be above freezing when sprayed. Once completely thawed, stir bucket for 60 seconds prior to spraying. 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.

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.ecoseal.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 and 12 pails per pallet.

Installation of the EcoSeal+ System

While the EcoSeal+ System is relatively simple, Knauf Insulation offers training online at ecoseal.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 EcoSeal+ qualified installers 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 territory manager to assure information is current.