



Kraken Bond FastCoat Fire Rated Insulation & Acoustic Professional Foam

Kraken Bond FastCoat Insulation & Acoustic Professional Foam is a top quality heat and sound insulation foam at buildings and houses. Provides a unique, monolithic thermal insulation application without junctures, seams and gaps. Engineered with advanced chemical properties, the foam meets Class A fire resistance standards according to ASTM E84, ensuring enhanced safety in the event of a fire. An innovative alternative to traditional building insulation methods such as polystyrene heat insulation boards, glass wool and rock wool. Single-component product used with an applicator gun. It does not contain any propellant gases which are harmful to the ozone layer.

Advantages:

- Excellent adhesion to all kind of building materials,
- Can be applied easily to uneven, hard to reach surfaces where it is not possible to use traditional insulation materials,
- Elimination of thermal bridges,
- Elimination of the dew point,
- Yield up to 20 board foot with 1inch thickness for one layer if applied from a distance of ~16inch with normal application speed,
- No need to use mechanical fastening elements after use,
- Over paintable

Usage Areas:

- Roofs, attics, facades, foundations, basements, floors, interior walls, inter-floor overlapping, interior partitions, ceilings and cellars,
- Structural elements of buildings, balcony, loggia, doors, window slopes, pipes, canals and tank kind round surfaces, uneven and rough all surfaces,
- Car body and car trailers, boats, yachts, vessels and all kind of sea vehicles

How to use:

1. Surface cleaning: Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Sprinkle the working surface with water (with gardening sprinkler for example) at temperature $> +32^{\circ}\text{F}$.
2. Product preparation; If the can is too cold / hot then the can should be brought to room temperature, e.g. by immersion in cold / warm water or leaving it in room temperature for at least 24 hours. Optimal can temperature is $+68^{\circ}\text{F}$.
3. Foam application: Put on protective gloves. Shake the can well before use. Each can have two special plastic nozzles for spraying to the wall and ceiling (See Picture 1). Nozzle A is for vertical surface



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applications and Nozzle B is for ceiling applications. Screw desired nozzle to the gun. Screw the can onto the applicator. Hold the can upside down and activate the foam by pressing the valve. Always handle the canister with the valve pointing downwards. Spray the foam 12-18 inch distance from the wall for vertical applications. Spray the foam 6-8 inch distance from the ceiling for horizontal applications. The product can be applied at any desired thickness as long as it is applied layer by layer. The thicker, the higher insulation value. For an effective insulation value, the recommended application thickness is 2 inch and should be reached to this thickness with minimum 3 layers. It is not possible to get the ideal insulation value with 1 or 2 layers. Moisturizing the surfaces and the foam improves adhesion and shortens curing time. Vertical gaps should be filled with foam starting at the bottom and moving up. Do not fill the entire gap – the foam will increase in volume.

4. Tooling and finishing: Immediately after full foam hardening, it should be secured against exposure to UV rays by using e.g. plaster or paints. The manufacturer recommends using the entire can without stopping more than 5 minutes between spraying due to foam drying in the applicator.
5. Cleaning: Fresh foam should be cleaned with Foam Cleaner. Cured foam can be cleaned barely mechanically.



- Picture 1: Nozzle A on the left and Nozzle B on the right.

Limitations:

- The curing process is dependent on temperature and humidity. The decrease in ambient temperature within 24 hours after the application below the minimum application temperature can affect the quality and / or correctness of the seal.
- Hurried attempts at preliminary treatment may cause irreversible changes in foam structure and its stability and may affect deterioration of foam utility parameters.
- Quality and technical condition of used applicator affect the parameters of final product.
- The foam should not be used in spaces without access of fresh air and poorly ventilated or in places exposed to direct sunlight.
- Working in other position than "valve facing down" will decrease foam's efficiency.
- Cured foam will discolor if exposed to ultraviolet light.
- Paint or coat the cured foam for best results in outdoor applications.



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- Lower temperatures decreases yield and curing time.

Safety

Contains diphenylmethane-4,4'-diisocyanate. Irritating to eyes, respiratory organs and skin. May be harmful by inhalation. Must be used in a sufficient ventilated environment. PE gloves should be used when working. Pressurized container. Should not be exposed to direct sunlight or above 122°F. Keep away from igniting materials. Do not pierce or burn the can even after use. Must be kept away from children.

Shelf Life:

If stored properly at original container, 18 months.

Packaging (Weight/Volume):

28,7 fl oz.,

Physical & Chemical Properties

Chemical Structure: Polyurethane Pre-polymer.

Curing Mechanism: Moisture.

Skin Time: 5±2 min. (ASTM C1620).

Cutting Time: ≤40 min. (ASTM C1620).

Curing Time: 24 hours

Foam Color: Yellowish

Yield: 20 board feet at 1 inch

Thermal Conductivity: 0,025 W/m.K (DIN 52612)

R Value: 5,66 Per inch.

Dimensional Stability: ± 10%

Compression Strength: 4,35 PSI (DIN 53421)

Acoustic Insulation: 48,8db at 1600hz (EN ISO 717-1)

Ideal Can Temperature: +41°F to +86°F

Heat Resistance: -103°F to +239°F

Application Temperature: +41°F to +86°F

Fire Test: Flame Spread: 5, Smoke Development: 15 (ASTM E84)