

ROOF-540™
FOAM GRADE – CAULK & SEAL MATERIAL

TECHNICAL Data & Application Instruction

PRODUCT DESCRIPTION

FOAM GRADE CAULK & SEAL MATERIAL is water-based, high solids elastomeric sealant utilizing the latest advances in 100% acrylic technology. Its thick, buttery consistency allows it to be easily worked into vertical seams on metal roofs, gaps in flashings and around protrusions, and into heavily alligator areas in weathered built-up roofing. **FOAM GRADE CAULK & SEAL MATERIAL** is manufactured from a unique acrylic resin specifically designed to provide increased tensile strength and elongation on problem roof areas as well. It is ideally suited for sealing mechanical fasteners and horizontal seams on metal roofs, as well as around flashings, drains and protrusions. It has excellent adhesion to asphaltic roofing, metal, concrete, wood, hypalon and polyurethane foam, and can also be used for encapsulating Roof Mesh reinforcement fabric.

APPLICATION

All surfaces must be dry and free from dirt, dust, grease, oil, pollution fall out and other contaminants that may interfere with proper adhesion. Any primers that are to be utilized on the roof surfaces should be applied prior to application of any **FOAM GRADE CAULK & SEAL**. Apply the **FOAM GRADE CAULK & SEAL** in sufficient quantity to encapsulated fastener heads and completely seal the seam or crack being treated, extending the **CAULK & SEAL** 1 to 2 inches on either side of the opening. A stiff-bristle brush should be utilized for working the **CAULK & SEAL** into seams, cracks and alligator areas. When sealing vertical seams on metal roof decks, the **CAULK & SEAL** should be worked up into the seam with a brush. On horizontal metal roof seams, the **CAULK & SEAL** should be applied in a 3 to 4 inch strip, in 2 coats, to a total thickness of 60 to 80 wet mils, centered over the seam. All seams must first be checked to assure that there is no more than 1/4" deflection when pressure is applied below the seam. Add additional fasteners as necessary to minimize panel deflection.

PACKAGING & MIXING

FOAM GRADE CAULK & SEAL is packaged in 2 (15 liter) buckets. Upon extended storage, some settling may occur. Stir as necessary with a stiff mixing blade until smooth, even consistency is achieved.

TYPICAL PROPERTIES

CAULK & SEAL MATERIAL

Solid By Volume (ASTM D5201)-----	66% (±2)
Tensile Strength (ASTM D412)-----	325 psi (2.24 MPa) (±25)
Elongation (ASTM D412)-----	200% (±25)

FOAM GRADE CAULK & SEAL will freeze and become unusable at temperatures below 32°F (0° C). Do not store or ship material if there is a possibility of freezing temperatures. Do not apply if **FOAM GRADE CAULK & SEAL** cannot cure prior to exposure to freezing temperatures, rain or heavy dew. See individual Material Data Sheets for additional precautions.

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