

## 229AR Elastomeric

### DESCRIPTION:

KARNAK 229AR Elastomeric is a single component, rubber reinforced asphalt that forms a highly elastomeric waterproof coating as well as an air barrier. The dried film cures to a tough 40-mil flexible finish and will resist variations in temperature and weather. When applied to interior above grade cavity wall structures, the protective coating helps to control moisture and inhibit air leakage in buildings as specified in a number of building codes. 229AR Elastomeric has excellent resistance to acids, alkalies and salts in the soil and will not deteriorate.

### USES:

229AR Elastomeric is available in Brush and Trowel grades. 229AR-Elastomeric is used as a waterproof coating on exterior above or below grade surfaces such as masonry, spray polyurethane foam, wood, stone, brick and concrete. 229AR Elastomeric can also be used as an air barrier/vapor barrier when applied in exterior/interior above grade assemblies.

### SURFACE PREPARATION:

Surfaces must be clean, dry and free from oil, grease, release agents, laitance, dirt, dust and debris. All cracks and holes should be filled with 229AR Elastomeric Trowel Grade prior to surface coating.

### APPLICATION:

229AR Elastomeric Brush Grade should be mechanically mixed thoroughly, prior to application. For vertical applications use only 229AR Elastomeric Trowel Grade.

### EXAMPLES:

**A. Exterior Vertical Surfaces:** Apply 229AR Elastomeric, Trowel Grade in one coat. If applying two, allow the first coat to dry. Coating must be continuous and free of pinholes or holidays. Cover all slots, joints and grooves and into all chases and corners. Apply at the rate of 4 to 5 gallons per 100 sq. ft.

**B. Membrane Vertical Surfaces:** Apply 1 coat of 229AR Elastomeric Trowel Grade at the rate of 2 to 3 gallons per 100 sq. ft. Place 3036 Poly-Mat or 31 Fiberglass Membrane vertically over surfaces of coating making sure all edges are overlapped at least 3 inches. Smooth membrane firmly into place and eliminate all wrinkles. Apply second coat at the rate of 2 to 3 gallons per 100 sq. ft. In areas where hydrostatic pressure is known to occur, 229AR Elastomeric should be installed in a membrane system to all exterior foundation walls.

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**C. Horizontal Surfaces:** 229AR Elastomeric Brush Grade can be used as a waterproofing layer between the surface course and base structural concrete slab above and below grade. Apply at a rate of 4 to 5 gallons per 100 sq. ft.

### SPECIFICATIONS:

ASTM D-4586 Type I, Class I: (Trowel Grade)

ASTM D-4479 Type I: (Brush Grade)

Complies with CH. 13 of Massachusetts Energy Code

### PHYSICAL PROPERTIES:

Weight Per Gallon:	8.6 lbs.
Hardness, Shore A:	55 ASTM D-2240
Elongation: Brush	350% ASTM D-412
Elongation: Trowel/Caulk:	350% ASTM D-412
Tensile Strength, PSI:	400 ASTM D-412
Color:	Black
Water Vapor Permeance:	0.017 perm ASTM E-96
Air Permeability (Leakage):	0.000 L/(s·m <sup>2</sup> ) @ pressure difference of 75pa
Service Temp. Range:	-40°F to 160°F
Solids By Weight:	Brush 59%, Trowel 71%, Caulk 68%
Solids By Volume:	Brush 55%, Trowel 63%, Caulk 65%
VOC Content:	Please visit <a href="http://www.karnakcorp.com">www.karnakcorp.com</a> for latest VOC content as products are updated to comply with the most current VOC regulations
Salt Fog Resistance 1/16 cured film:	500 hours – Excellent
Abrasion Resistance:	Excellent
Resistance to acid:	60 days – Excellent
10% HCL:	Excellent
10% H <sub>2</sub> SO <sub>4</sub> :	Excellent
10% - 85% Phosphoric:	Good
Nitric Acid:	Not Recommended
Resistance to Alkalies:	60 days – Excellent
10% NA OH:	Excellent
Nitric Acid:	Not Recommended
Resistance to Alkalies:	60 days – Excellent
10% NA OH:	Excellent
45% Ammonium Nitrate:	Excellent
10% Ammonium Sulfate:	Excellent

# KARNAK

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**NOTE:** For horizontal waterproofing and below grade waterproofing, a protection board is highly recommended to protect the film during backfilling or while pouring the concrete topping slab.

**CAUTION:**

Do not use near open flame. Material is for building exterior applications only. Avoid breathing solvent fumes and prolonged contact with skin. Do not take internally. If swallowed, do not induce vomiting. Call a physician immediately. Keep out of reach of children. Keep container covered when not in use. Do not thin. Dispose of in an environmentally safe manner.

**PACKAGING:**

Available in 1 gallon, 3 gallon & 5 gallon pails, 55 gallon drums and 30 oz. caulking cartridges.



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