

220 Cold Process System (for smooth BUR & modified bitumen roofs)

KARNAK 220 Cold Process System is the economical way of adding extra protection and new life to smooth built-up asphalt & modified bitumen membranes, which have deteriorated beyond simple correction. The 220 System when properly applied is waterproof and resistant to extreme temperature variations.

Easy to handle, 220 Emulsion Roof Coating with Poly-Mat weighs only 1/7th as much as cumbersome roofing felts. The 220 System is fast, permanent and easy to apply. The highly desirable feature of this system is the ability to coat over with one of KARNAK's reflective coatings.

ADVANTAGES:

- Optional Energy Star® listed reflective coating reduces energy consumption by lowering air conditioning requirements.
- Tough, flexible, reinforced membrane.
- Application causes no disruption of activities inside building.
- Avoids roof replacement and adds life to the existing roof system.
- Reflective coating prevents harmful UV rays from prematurely cracking or drying out the roofing system.

PREPARATION:

All roof surfaces to be coated should be clean, dry and free of dirt, grease, oil, dust or loose particles. This may be accomplished by power washing or hosing down and brooming with water and 799 Wash-N-Prep Roof Cleaner, taking necessary precautions to not damage roof membranes. All wet insulation should be removed and replaced. Patch and repair all cracks, holes and blisters with 19 Ultra Flashing Cement and 31 Fiberglass Membrane or 34 Asphalt Cotton Fabric. Allow all repairs to cure until skinned over before application of coating system.

STEP I:

Apply first coat of 220 Emulsion Roof Coating at the rate of 3 gallons per 100 sq. ft. with a roof brush or heavy-duty airless spray equipment. Immediately imbed one ply of 3036 Poly-Mat into the wet coating. Allow a 2" overlap where one strip joins another and 6" on the end laps. Gently brush each strip of mat in place so the emulsion seeps through to form a monolithic surface.

KARNAK

330 CENTRAL AVENUE, CLARK, NJ 07066

732-388-0300 • 800-526-4236 • FAX: 732-388-9422

WEB: <http://www.karnakcorp.com>

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STEP II:

Apply a second coat of 220 Emulsion Roof Coating over the previously embedded mat at the rate of 3 gallons per 100 sq.ft. Allow system to cure for a minimum of 7 days or until fully cured before application of the finish reflective coating. Repeat steps 1 & 2 for extra protection

OPTIONAL (Reflective Coatings):

Continue coating system by applying one of KARNAK's reflective coatings.

Available options include:

- 97 Fibered Aluminum Coating (CRRC Rated)
- 98 Fibered Aluminum Coating (Energy Star®, CRRC Rated)
- 298 Alumin-R Rubberized Aluminum Coating (Energy Star®, CRRC Rated)
- 529 Renu-White. Note: Allow emulsion to cure 30 days before coating with acrylic coating.
- 501 Elasto-Brite Acrylic Coating (Energy Star®, CRRC Rated. Note: Allow emulsion to cure 30 days before coating with acrylic coating.
- 505HS Mohave Coating. Allow emulsion to cure 30 days before coating with acrylic coating'
- 535 QS Enviro-Lastic. Allow emulsion to cure 30 days before coating with acrylic coating.
- Or apply 500 series reflective acrylic coating over 405 Bond-N-Shield Base Coat. Allow emulsion to cure 30 days before coating.
- KARNAK's reflective finish coatings provide the roof membrane system with excellent weathering characteristics, elongation properties, reduced surface temperatures and extend the service-life of the whole roofing system
- 670HS Karna-Sil Ultra or 670LS Karna-Sil (Low-VOC) silicone coating. Must first apply either 180 Karna-Sil Epoxy Primer or 405 Bond-N-Shield Base Coat. Allow emulsion to cure 30 days before coating.

APPLICATION SUGGESTIONS:

1. Keep wet rags handy.
2. Cut fabric every 15'-20' feet to help avoid wrinkles.
3. Dip brushes in water if tacky when applying 220 Emulsion Roof Coating.
4. Do not apply when rain is imminent. Coating must be dried before exposure to water.
5. Protect from freezing. Temperature must be 40°F and rising before application of 220 Emulsion Roof Coating.

The above specification is offered as a service to the specifier. KARNAK does not practice architecture nor engineering and recommends that you consult a registered architect, engineer and/or roofing consultant.

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