

APPLICATION GUIDE

OVER EXISTING BUILT UP ROOFING (BUR)

I. PREPARATION

Surfaces shall be dry, clean, free of oil, dirt and other contaminants which could affect the bond of the *FLEX*® WHITE system.

1. Remove existing loose gravel.
2. Spud to a smooth surface, removing all bumps and protruding embedded rocks. Use power spud bar machine and hand spud.
3. Sweep roof clean. (Dust free)

II. PATCHING, REPAIRS & REINFORCEMENT: SEAMS, STRESS POINTS FLASHINGS, PROTRUSIONS, ETC.

A) Repair all blisters, cracks, and tears.

(Do not use petroleum base products.) (See Warranty.) Do not use other than approved products.

1. Termination points, cracks and seams shall first be caulked with *FLEX*® CAULK or *AQUATHANE* (use to bridge, fill and level cracks). Apply with sheetrock taping tools, trowel, or paint brush.
2. After caulk has skinned over, *FLEX*® BLACK #11 modified elastomeric emulsion, shall be applied at a rate of 1 gal./sq.ft. To an area of at least four inches on either side of the caulking bead.
3. A four-inch wide polyester fabric is embedded immediately into the wet strip of *FLEX*® BLACK #11 Emulsion. Apply fabric with pressure using a brush, roller, or hands. Apply one additional even coat over the top of the fabric. (Never overlap polyester without coating between the layers.)

B) PRIME ROOF

After joints and flashings systems have cured, apply two additional gallons per 100 sq. ft. of *FLEX*® BLACK #11 Emulsion to the entire roof, diluting the mixture by 30 to 50%. (Use spray, roller, or broom.)

C) APPLY POLYESTER FABRIC REINFORCEMENTS TO THE ENTIRE SURFACE

1. Apply polyester by applying two gallons of *FLEX*® BLACK #11 per 100 sq. ft. to the surface of the roof (use spray, roller or broom), beginning at the bottom of the roof slope. (Do not dilute.)
2. While the *FLEX*® BLACK is still wet (reapply if necessary), roll in the fabric in a straight line, embedding it into the *FLEX*® BLACK. Keep the roll taut but do not stretch the fabric. Rub out all wrinkles and air pockets. If you must lift the roll to realign, apply more *FLEX*® BLACK under the fabric for adhesion.

3. Use push brooms or long nap rollers to press the fabric into the roof. Immediately apply the additional coat of *FLEX*® BLACK evenly to the top of the fabric at a rate of two gallons per 100 sq. ft.

4. Two or more layers of polyester may be applied at the same time using standard roofing overlap methods. Overlaps for one layer of fabric are 2" on the lap joint and 4" on the butt joint. Use one coat under the fabric and one coat on top for each layer at a rate of two gallons per 100 sq. ft. per coat.

5. Allow to cure fully.

D) FLOODCOAT ROOF

1. Apply (spray or roll) a minimum of four gallons per 100 sq. ft. of *FLEX*® BLACK #11 to the entire surface. Never exceed four gallons per 100 sq. ft. in one application.

2. Allow to cure fully.

E) APPLY FLEX® WHITE HEAT REFLECTIVE TOP COAT

1. The first coat of *FLEX*® WHITE is applied to the entire surface EVENLY, with a brush, medium-nap industrial roller or sprayer at a rate of 1-1.5 gal. per 100 sq. ft. Never exceed 1.5 gallons per 100 sq. ft. in one application. Even application is critical to comply with warranties.

2. The surface of a cured *FLEX*® WHITE membrane must be free of all moisture, dirt, dust and debris before additional coats are applied.

3. One or two additional coats of *FLEX*® WHITE shall be applied over the roofing surface at a minimum coverage of 1-1.5 gal. per 100 sq. ft. (See Warranty)

4. *FLEX*® WHITE should be allowed to cure thoroughly, usually 24 hours (depending on the temperature and humidity conditions), after which an inspection shall take place. Any defects must be repaired. Full cure is up to 10 days before minimal ponding water is allowed. If precipitation occurs before full cure, sweep or blow dry to continue cure.

WARNING: *Do not apply FLEX® Products when rain or freeze is expected before curing. This will void all warranties.*

**AQUATHANE can be applied before and during inclement weather.
(See AQUATHANE installation guide)*

