



# **FlexShield**

## **#202 Aluminum Emulsion Coating**

### **Product Information and Technical Data**

**#202 Aluminum Emulsion** is a UL Rated, technologically advanced, high quality reflective coating that provides a tough layer of protection for roof surfaces. **#202's** brilliant aluminum finish reflects the sun's rays helping to lower interior temperatures and preserve roof surfaces. This professional grade coating may be applied onto virtually any type of roof, including damp surfaces. It contains built-in rust inhibitors and is easy to mix and apply. This is a water-based coating. **#202** is non-polluting, non-toxic and non-combustible. Equipment can be cleaned faster using water, thus eliminating costly down time.

#### **Uses**

**#202** is a reflective roof coating for; Modified Bitumen, Built-up, Smooth surfaced emulsion coatings, Metal, Asphalt, Parapet Walls, Flashings, Exposed piping and ducts, Stucco, Polyurethane Foam, and Other approved surfaces.

#### **Advantages**

**#202** reduces indoor building temperatures in summer by reflecting the sun's rays. It is self-preserving. Its aluminum armor reflects most rays which oxidize and age the asphalt below.

#### **Installation**

##### **Coverage**

Product yield is from 75 to 100 square feet per gallon, per coat. The yield varies according to the existing surface texture. As a general rule, the smoother the surface, the less material required.

##### **Surface Preparation**

Remove all dirt, dust, debris and standing water by brooming and by forced air when necessary where no danger or nuisance were caused to adjacent areas. All loose gravel must be removed from ballasted roofs. Scrape back all loose and scaled coating to still-bonded edges. Make all necessary repairs to existing surfaces prior to coating. Splits in seams, blisters and cracks should be repaired using **#102 Roof Cement** reinforced with Polyester Mat. Heavily weathered or exposed felt surfaces, as well as concrete, masonry or rusted metal should first be primed using **#101 Asphalt Primer**. Metal roofs should be allowed to weather for six months prior to coating. All surfaces must be dry prior to applying.

##### **Application**

Coating must be thoroughly mixed prior to, and occasionally during, use. Mechanical mixing, if practical, is recommended using a drywall mixing paddle. If settled, pour-off almost all fluid into another bucket, mechanically mix the solids and add fluid slowly while blending in order to obtain an even blend. Apply by spray using a standard mastic pump and gun sized by a knowledgeable pump dealer for the particular application or pour directly onto the surface and spread using a notched-tooth squeegee, then back-roll. Roll product uniformly to achieve good results

**#202** cleans up with soap and water when wet. If dried, clean tools with paint thinner or mineral spirits.

For the easiest workability in cold temperatures, warm containers by storing them overnight in a room at 65° to 75° F.

Drying Time: Four hours to touch at 70° F. & 50% relative humidity.

**Spray Info:** 1000-2000 psi, .061 Tip Size, 3-6 GPM (topcoat), 2-4 GPM (BUR)

##### **Restrictions**

Minimum application temperature is 40° F. and rising. Do not apply to areas that pond water; do not use on dead level, tar base, or existing gravel roofs. Do not apply to new asphalt roofs having cured less than 30 days, solvent based asphalt coatings less than 30-90 days old, or to asphalt emulsion coatings that having cured less than 30

days. Surfaces to be coated must be dry and clean and must remain so for 24-48 hours after application. Light rain or heavy dew will inhibit the leafing of the aluminum flakes, causing the product to dry brown. Do not use with PVC film. Do not use where material, once applied, may come into contact with potable water. Not for use on or with products containing coal tar. Do not use on slate shingles or apply directly to wood surfaces. Not for use over rubber or plastic membranes - asphalt modified only. For exterior use only.

**Cautions**

This product is combustible. Keep away from heat, sparks and open flame. Avoid repeated or prolonged contact with skin. If swallowed, do not induce vomiting, Contact Physician Immediately. Keep container closed when not in use. KEEP AWAY FROM CHILDREN. Product label and Material Safety Data Sheet contain further information on the safe use of this product and precautions for the safe disposal of the container. They should be read and understood prior to use.

**SPECIFICATIONS**

Weight Per Gallon	8.8-9.3 lbs.
Residue by Evaporation %	28 min.
Combustible Solvents	N/A
Consistency	Brush, Spray, Roller
Cure time	4-8 hours to set 24-48 hours to full
Application temperature	50°F - 100°F
Flammability	N/A
Reflectivity	62%

**PACKAGING INFORMATION**

Product Number	Size	Quantity	Weight
202-055	55 gal.	Each	535 lbs.
202-005	5 gal.	Each	47 lbs.

---

**Availability and Costs:**

**Availability:** Products are immediately available from GlobalShield, Inc. throughout the United States.

**Cost:** Cost data is available from your local GlobalShield representative.

**Technical Services:** GlobalShield Technical Services Department provides problem analysis and assistance in developing recommendations for special applications. Warranty systems require inspection by GlobalShield prior to installation. Progress and final inspections are also required.

**Statement of Policy and Responsibility:**

GlobalShield takes responsibility for the furnishing of quality materials, and providing specifications and recommendations for their proper installation. GlobalShield does not, either itself or through its representative, practice architecture or engineering. GlobalShield offers no opinion on and expressly disclaims any responsibility for the structural soundness of any roof deck on which its products may be applied. Opinions of competent structural engineers should be obtained by the owner as to the structural soundness of the roof deck and its ability to properly support the contemplated roof installation. GlobalShield accepts no liability for any failure of the roof deck or resultant damages and no GlobalShield representative is authorized to vary this disclaimer.

