

# HE203

## Cold-Ap® Roof and Lap Adhesive

### Physical Properties:

- Colour	Black	- Specific Gravity @ 25°C	1.01
- Consistency at 25°C	Viscous liquid	- Flash Point	38°C
- Solids Content	67% by weight (ASTM D-4479-85)	- Brookfield Viscosity	22,000-30,000 cps
- Application Temperature	18°C and rising. 43°C and decreasing.	- Fire Rating	Classified by Underwriters Laboratories Canada® & Underwriters Laboratories Inc.® for use in Class A and B Systems.
- Maximum VOC	250 g/l		

### Description

**HE203® COLD-AP® ROOF AND LAP ADHESIVE** is a premium, brush or squeegee grade, waterproof adhesive made from asphalt, solvents and inorganic fillers. As a replacement for hot asphalt in built-up roofing (BUR) applications, HE203 is designed for bonding layers of asphalt coated base sheets. HE203 can also be used to bond seldedge laps on composition and 90 lb. asphalt roll roofing.

### Features/Benefits

SAFE - Eliminates burn and fire hazards of hot asphalt  
 STRONG - Greater cohesive strength for a reliable roof  
 FLEXIBLE - Greater cold temperature flexibility than hot asphalt  
 EFFICIENT - Cold-Ap requires less labour than hot asphalt  
 APPROVED - U.L. Class A in a variety of roof systems

### Uses

May be used in BUR applications with:

- 25# or heavier asphalt-coated fiberglass base sheets
- Conventional mineral surfaced cap sheet
- Polyester fabric
- Bonding gravel or granule surfacing

### Limitations

DO NOT USE with #15 or #30 saturated felts. Not all APP torch down membranes are alike, and as such application of HE203 with APP membranes may not yield satisfactory results. Please contact the Henry Technical Service Department and the APP membrane manufacturer before proceeding. DO NOT USE with solvent sensitive insulation, rubber, or PVC sheet roofing. Weather should be at least 18°C, dry and clear, with no threat of rain for 48 hours. CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE! DO NOT HEAT CONTAINER. Do not store at temperatures greater than 43°C. When transporting this product, be sure the pail is secured and the lid is tight. Do not allow pail to tumble as this may loosen the lid and allow leakage to occur. For spray applications, use Bakor 810-47 Plastic Roofing Cement.

Do not use this product as a coating, or to attempt to seal gravel, rubber, or PVC sheet roofing, or shingles. NOTE: This adhesive, like all asphalt-based products, forms a small amount of water soluble material as it weathers. Normally this is not noticeable because the rain washes it away. However, roofs having a pitch less than 0.5-in-12, or ones having poor drainage, will accentuate the problem by concentrating the water soluble material in low spots. If there is no rainfall, pressure-washer or hose-off the roof. Frequent inspection of these roofs is recommended because abnormally rapid deterioration of any roofing material may occur where water stands for long periods.

## HE203 Cold-Ap® Cement

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### Preparation

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Refer to pail instructions and Guide Specifications for detailed application information.

When applying over an existing roof membrane, the roof surface must be clean, dry, smooth, and even. Blisters, buckles, and raised edges should be cut and flattened. Check flashings, edgings, drains, valleys, and vents and repair as needed. NOTE: A roof membrane in poor condition, moisture in the existing roof, or local building codes may require tear-off of an old roof.

Apply HE203 in uniform single coat of 0.61-0.81 L/m<sup>2</sup> as an inter-ply adhesive. Coverage varies with smoothness and porosity of surface coated. Coverage is 1.43 L/m<sup>2</sup> when used to bond granules or 2.44 L/m<sup>2</sup> when bonding gravel to roof membrane.

### Application

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HE203 is suitable for application with a notched squeegee or 4-knot roofing brush. Stir adhesive to uniform consistency before using. Do not thin. Apply adhesive evenly and uniformly with full coverage between each layer. After adhesive is applied, a few minutes of "open time" will accelerate curing time. Roofing may usually be placed up to ½ hour after adhesive has been applied. While adhesive is tacky, press HE195 Fabric into adhesive by brooming. Roll with a weighted roller several hours later. Adhesion is improved by brushing underside of sheets at laps and walls with a thin film of adhesive. Remove excess adhesive from exposed surfaces. On laps, apply only a sufficient quantity of adhesive such that a small bead of product appears after pressing - in the lap. On slopes over 1-in-12, blind nail 2<sup>nd</sup> and 3<sup>rd</sup> layer 3 cm down from upper edge every 0.3 meters. Bakor 810-47 Plastic Roofing Cement can be used when vertical flashing or heavy duty sealing application is required.

#### Built-Up Roofing:

BUR is a demanding and exacting job for the roofing professional--It is not recommended for the D-I-Yer. As it is impossible to cover all the details of built-up roofing here, follow the directions of the roofing material manufacturer and follow NRCA guidelines for details and terminations.

#### Top Coating:

Allow 30 days of warm, dry weather before surfacing BUR with HE107 Asphalt Emulsion and a reflective coating such as Henry 280DC White Reflective Coating or Bakor 810-18 Aluminum Reflective Coating.

### Protection

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Both horizontal and vertical areas must be protected.

### Clean Up

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Use waterless hand cleaner on hands. Clean tools with mineral spirits.

### Caution

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COMBUSTIBLE! Contains petroleum distillate. Keep away from heat and flame. Do not heat container or store at temperatures above 43°C. DANGER: Harmful or fatal if swallowed. CLOSE AIR INTAKES on roof until solvents dissipate. Use only with ADEQUATE VENTILATION! Avoid breathing vapour and wear respirator (NIOSH/MSHA TC23C or equivalent). If you experience eye watering, headaches or dizziness, leave area immediately. Repeated or prolonged overexposure to solvent vapour may cause permanent brain and nervous system damage and may cause liver or kidney damage.

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