



Between the World
and The Weather
Since 1928

Ram ColdTar Plus[®]

Roof Restoration Process

for all types of bituminous roofs
(asphalt, coal tar pitch, modified bitumens)



Step 1 – INSPECT ROOF



Step 2 – SCAN FOR MOISTURE



Step 3 – VERIFY CONDITIONS



Step 4 – IDENTIFY PROBLEMS



**Step 5 – REMOVE LOOSE
SURFACING MATERIALS**



**Step 6 – REMOVE REMAINING
DIRT AND DUST**



Step 7 - REMOVE WET AREAS



**Step 8 – REPAIR SPLITS,
RIDGES AND BLISTERS**



**Step 9 – REPAIR ALL
MEMBRANE DEFECTS**



Step 10 – REFLASH ALL DRAINS



**Step 11 – RESTORE
MEMBRANE PENETRATIONS**



**Step 12 – REPLACE OR RESTORE ALL
BASE FLASHINGS AND PRIME ALL
ASPHALT BASED ROOFS**



Step 13 – PLACE ram ColdTar[®] PAILS IN GRID PATTERN



Step 14 – SPRAY RIG EQUIPMENT



Step 15-A – SPRAY CLEANED MEMBRANE



Step 15-B – POUR MATERIAL ONTO PREPARED ROOF SURFACE



Step 16 – SPREAD WITH NOTCHED SQUEEGEE OVER GRAVEL, STRAIGHT SQUEEGEE OVER SMOOTH SURFACES



Step 17 – SPREAD MATERIAL IN TWO DIRECTIONS (90° TO EACH OTHER)

Step 19 – TOP SURFACE OPTIONS



GRANULAR SURFACING



GRAVEL SURFACING



Energy Star® REFLECTIVE COATING

Ram ColdTar®/Ram ColdTarPlus® Recommended Application Rates:

- Prime all asphalt based roofs with Ram Surface Conditioner – ½ to 1 gal./1 sq.
(pitch generally does not require priming)
- Smooth roof surface with a reflective Energy Star® top coat - 3 gal./1 sq.*
- Smooth roof surface with a granule finish 3 gal./1 sq.
- Granule roof surface with a reflective Energy Star® top coat - 3 gal. /1 sq.*
- Granule roof surface with new granule finish 3 to 5 gal /1 sq.
- Gravel roof surface with a new gravel surface 6 to 10 gal/1 sq.**
- Existing gravel surface with reflective coating, spray apply - 6 gal/1 sq. and allow to cure for at least 12 months before cleaning and top coating with Barrett Energy Star® primer and coating.
- Granular surfacing is not recommended over existing gravel surfaces.

* **Reflective coatings applied over smooth or granulated roof surfaces should cure for 90 or more days before surfacing.**

** **When evaluating a gravel surface, a 5 gallon field test is essential to determine actual product usage required for proper coverage. Irregular substrates may require more material.**

Application Rate Guide

Apply a **5 gallon pail** per grid section

| Coverage Rate | Grid Size (approx.) |
|----------------------------|---------------------|
| 3 gal/100 ft ² | 12' X 13' |
| 4 gal/100 ft ² | 11' X 12' |
| 5 gal/100 ft ² | 10' X 10' |
| 6 gal/100 ft ² | 8' X 10' |
| 7 gal/100 ft ² | 8' X 9' |
| 8 gal/100 ft ² | 8' X 8' |
| 9 gal/100 ft ² | 8' X 7' |
| 10 gal/100 ft ² | 7' X 7' |