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## TECHNICAL BULLETIN No. 107

### Ram ColdTar® - Granule Surface Application Rates

A properly installed shingle-type granular surface, applied over Ram ColdTar®, makes one of the most aesthetically pleasing roof surfaces available. The granules will provide many years of protection while remaining visually attractive with a smooth, monolithic appearance.



An off-white color granule is used most often due to its reflective properties. A number of other colors are available on a special order basis. If an EnergyStar® rating is desired, the granules can be coated with the Ram Ultra White® System.

The benefits of “cool roofing” include energy savings in the cooling season, reduction of urban heat island effect and reduced interior temperatures.

Granule application can be accomplished efficiently with equipment designed for blowing granules or by manually broadcasting the aggregate into the surfacing compound.

Used in conjunction with Ram ColdTar, the granules are broadcast into the coating at a rate of 80 to 100 lbs. per 100 sq.ft. It is important that the granules be placed before the coating starts to “skin” and set-up.

Anywhere the coating bleeds through, touch-up with additional granules before the coating sets. When the coating has set sufficiently to walk on, sweep or vacuum loose granules and collect for reuse. Typically 60 lbs to 70 lbs of granules will remain adhered. This method assures adequate coverage without unnecessary waste.

#### Precautions:

- To assure adequate adhesion, embed granules before the compound starts to form a surface skin.
- Remove as many loose granules as is practical. Excess loose granules can wash into roof drains and gutters, causing restricted flow or clogging.

This information is provided as a general guideline based on past experience. There are several variables, (e.g. size and weight of the granules, application rate of the coating, experience of the applicator, etc.) which can affect the usage rate. We recommend that each applicator document their own experience for use as a guide on future projects.