PLAINTIFF'S EXHIBIT

BEA-107



Tar and Asphalt Roof Resaturants .... for maintaining a graveled roof

KOPPERS
Architectural and
Construction Materials

surface and a binder for the replacement of gravel or slag. The application of Koppers Roof Resaturant 425 restores the pliability that is required to absorb the thermal demands made of a built-up roof and increases the weather and water resistance of the old asphalt roof.

A. Loose gravel is removed to expose felts.

B. Surface dust and silt are removed with air pressure.

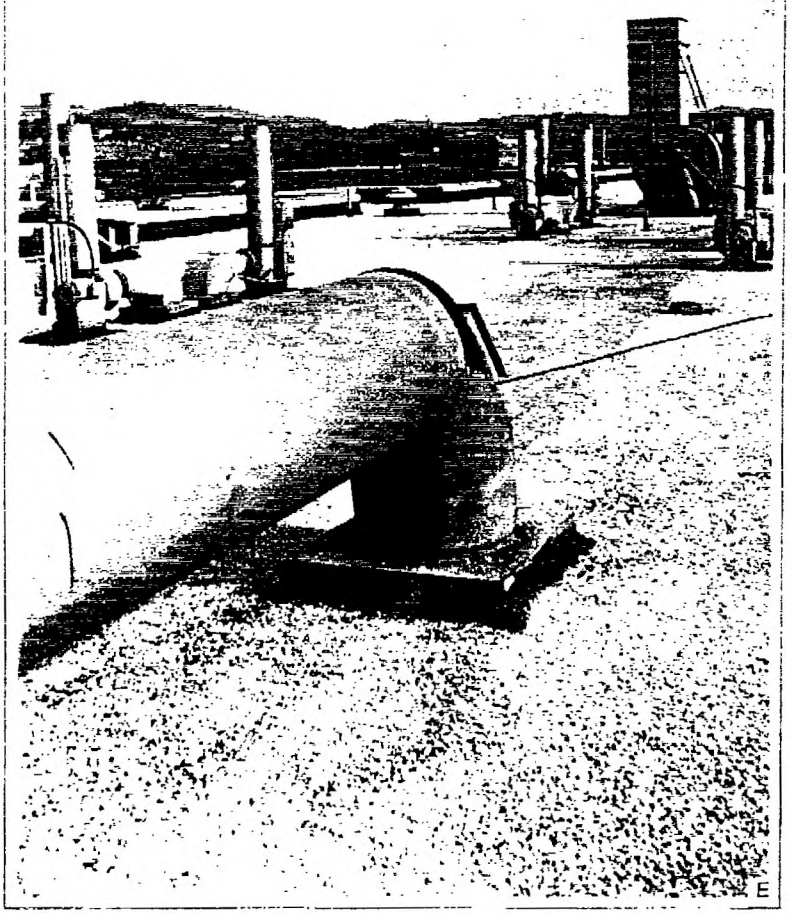
C. Resaturant is applied evenly over cleaned roof deck.

D. Washed gravel is applied to cover fresh resaturant.

E. Resaturant and gravel are easily applied around roof vents and air conditioning units.



D



E

Cleaning

1. All loose gravel must be removed from roof. If existing gravel is to be reused, it must be washed free of silt.

2. Silt is removed with a fire hose, or by air pressure. If water is used, the roof must be allowed to dry completely before proceeding.

3. Drains are covered with screens to prevent clogging of the drain system.

Application

4. After the roof is properly cleaned, all necessary repairs are made with compatible materials.

5. Koppers Roof Resaturant is applied evenly on to roof at the rate of seven gallons per square. The application rate may vary with the condition of the roof.

6. Gravel or slag is applied to cover the Koppers Roof Resaturant. Gravel shall be in the ⅜-⅝ range, and must be washed. Care must be taken to avoid adding excessive weight to the roof deck.

Photography taken at Gulf Research & Development Company, Pittsburgh, Pa

KOPPERS
Roof Resaturants

Roofing bitumens begin to deteriorate from the time they are applied to the roof. During the degradation of the built-up roof, the ingredients that provide pliability in the bitumen are gradually diminished. Such a natural course of deterioration could mean the premature expense of replacing the roofing system. Koppers Roof Resaturant used at the proper time will restore pliability and extend the life of a graveled roof.

Koppers Roof Resaturant when used in a planned program of roof maintenance insures the retention of a flexible roofing system. Penetration begins the moment Koppers Roof Resaturant is applied, and continues until the entire roof is satisfied.

TAR

Koppers Roof Resaturant 410 has a tar base of coal tar roofing pitch, blended with non-volatile penetrating oils and properly graded asbestos fibers. Koppers Roof Resaturant 410 supplies the maximum amount of penetration obtainable from a product of this type. Once penetration is gained, it is retained for a longer period of time because there are no volatiles added to Roof Resaturant 410 which can cause rapid evaporation. Tests prove that Roof Resaturant 410 restores the age hardened roofing pitch to its original installed condition and provides an adhesive to retain the gravel or slag.

Koppers Fiber Coating 415 is a tar based roof resaturant designed to provide desired penetration to a tar and gravel roof. Fiber Coating 415 contains less than 5% added volatiles and properly graded asbestos fibers. It is manufactured to meet Federal Specification SS-C-540a.

ASPHALT

Koppers Roof Resaturant 425 has a base of selected asphalt blended with various grades of penetrating oils. A pre-determined size of asbestos fiber is added to provide product stability. This combination penetrates the existing roofing felts and plasticizes the age hardened asphalt to its original condition. In addition, a deep coating on the surface provides a weathering


A

B

C

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