

RECLAMITE® RAP REJUVENATOR

DISCRIPTION

Reclamite® is a rejuvenator which has been successfully used for over 40 years. It contains select maltene fractions in chemical balance that penetrate the asphalt pavement surface rebalancing the chemistry of the oxidized asphalt. (see components of asphalt photo) Reclamite® improves the durability of asphalt, durability being the interdependence between composition and aging. Reclamite® is outstanding for its ability to delay the aging process and reverse any premature aging.



HOW DOES IT WORK?

For all of its outstanding qualities as a paving material, asphalt is no more impervious to the effects of time, weathering and tough service than any other construction material. With the passage of time, the need for maintenance becomes signaled by dryness, brittleness and other visible signs of deterioration, such as loss of matrix, raveling, cracking and spalling. By replenishing the proper blend and amount of maltene fractions, the aged asphalt can be restored to a new and highly durable asphalt cement.

Reclamite® is an emulsion manufactured from a naphthenic crude stock. Naphthenic base is wax free, has a natural low pour point and has excellent natural solvency ability allowing it to penetrate and absorb.

ASPHALT RAP GRINDING USE

Reclamite® can be sprayed:

- As a surface application prior to final compaction
- To the windrow prior to blading
- In a pug mill mixing operation

LAYING OUT THE RAP OVER THE SURFACE

RAP grindings are usually graded out to 4 inches minimum compacted depth. The reason for this is to give structural and weight load strength.

Use this rule of thumb in measuring depth: 1 inch, 1 square yard in depth compacted RAP weighs 108 lbs. 1 inch, 1 square yard loose RAP weighs 85 lbs. If you want 4 inches of compacted RAP, this would mean blading out:

$$4 \times 108 \div 85 = 5 \text{ inches loose.}$$

NOTE: 100% RAP WITH LITTLE OR NO CONTAMINATION WITH BASE AGGREGATE IS SUGGESTED. EXISTING ASPHALT CONTENT – 4-6%



RAP GRINDINGS BLADED AND
COMPACTED

NOTE: IDEAL RAP GRADATION
WOULD BE ½ - ¾ INCH MINUS

APPLICATION OF Reclamite® TO RAP

Reclamite® Rejuvenating agent is supplied as concentrate emulsion. This is diluted 1:1 with water prior to application and the application rate is based on this diluted product. Application is measured usually by a weight percent of the RAP. For calculation purposes the weight of Reclamite® is 8.25 lbs per gallon or 242 gallons per ton. As a rule of thumb 1.5 – 2% by weight of the mix of 1:1 Reclamite® dilute is added.

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An example of the application rate at 1.5% would be:

1 square yard 4 inches deep of compacted RAP weighs 432 lbs. $(4 \times 108 \text{ lbs/inch}) \times .015\% = 6.45 \text{ lbs}$ of Reclamite® ÷ by 8.25 = 0.80 gallons of 1:1 diluted Reclamite® application per square yard of RAP 4 inches compacted.

Your Reclamite® product distributor can best help you with this calculation.

Note: Ideal total moisture content including rejuvenator should be approximately 4 to 5% by volume. Typically, 1.5% is present in the RAP. This means adding 2% water.

COMPACTION AND FINISHING

For smaller projects, the RAP grindings are generally grader bladed in place and given light initial compaction 1-2 passes with a rubber tire roller to depth. Reclamite® is surface sprayed in one application. Penetration and absorption is rapid. Final compaction can begin immediately – 4-5 passes with a rubber tire roller. Light surface sanding – 1-2 lbs per square yard is recommended as it prevents any tracking of the emulsion surface residual and aids in filling surface voids and overall surface tightening.

Alternately, a fog seal of 2:1 or 1:1 (product to water) Reclamite® can be sprayed on the surface (.07-.10 gallons per square yard) after compaction and prior to sanding.

CAUTION

May contain petroleum distillates. Do not use near fire or flame. Use with adequate ventilation. Vapor harmful. Avoid prolonged or repeated contact with skin or breathing of vapor. Close container tightly after each use. Harmful or fatal if swallowed. If swallowed, DO NOT INDUCE VOMITING. Call physician immediately. KEEP OUT OF REACH OF CHILDREN

For Professional use ONLY.

DANGER



GHS Precautionary Information

Hazard statement: Flammable Liquid and Vapor. May be fatal if swallowed and enters airways.

PPE/Prevention, Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Do not handle until all safety precautions have been read and understood.

Response IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.

Storage Store in accordance with international regulations. Store locked up. CSS1h will freeze, store indoors when freezing temperature are expected.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Warranty, DISSCO warrants its products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, DISSCO makes no other warranty, express or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to DISSCO coatings. DISSCO's sole obligation shall be, at its option, to replace, or to refund the purchase price of, the quality of DISSCO coating proved to be defective and DISSCO shall not be liable for any loss or damage, including incidental or consequential damages arising from the use of DISSCO coatings.

For further information, please call (303) 935-2485.

In case of an EMERGENCY involving any DISSCO product please call:
Info-Trac at 1-800-535-5053

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