



ULTRA SAND SEAL

(Anionic Bitumen Emulsion for Pavement Repair)

DESCRIPTION

Sometimes aged and cracked pavements need a more aggressive treatment than a fog seal. Broom seals/ sand seals and scrub seals are related treatments that combine emulsion spray applications and sand. Sand seal is a preventative maintenance procedure that provides additional life to aging pavements. Sand sealing is easy / economical and fast track repairing system of road repairs. Its chemistry restores aged/cracked and reveled asphalt and prolong pavement life. It bonds with the existing pavements, creating a permanent repair that prevent water intrusion. Ultra Sand Seal is restorative pavements surface seal product which is designed for structurally sound pavements with moderate surface distresses such as alligator cracking/ void or raveling. It fills and seals cracks and voids and restores surface flexibility and resiliency.

BENEFITS

- Sand, broom and scrub seals may be used to improve the skid resistance of slippery pavements.
- These seals are inexpensive way to cover large surface areas.
- The treatment seals pavements from water penetration.
- They re-new aged asphalt pavements that have become dry and brittle.
- The asphalt emulsion is pushed into cracks and voids to stop further deteriorations by sealing and protecting the pavement.
- The sand seals can prevent damage of pavements placed in cold weather.
- When used on the right roads, these asphalt emulsion seals are effective pavement preservation treatments to prolong pavement life and delay major maintenance or reconstruction.

STANDARD COMPLIANCE

ASTM D140 Practice for sampling bitumen.

ASTMD244 Test methods for emulsified asphalts.

ASTM D977 Specification for emulsified Asphalt.

BS 434 AASHTO M-140, AASHTO D242-38

PROPERTIES

Appearance	Brown Liquid
Particle Size	5-6 microns
Settlement 5 days	>3%
Nature	Anionic (Alkaline)
Ph Value	9-12
Setting time at 30 °C	6-8 Hours

SURFACE PREPARATION

Prior to the application of the sand Seal coat, all loose materials shall be removed from the surface and the same shall be cleaned by means of approved mechanical sweepers or blowers and/ or brooms, until it is as free from dust as is deemed practicable. No traffic shall be permitted on the surface after it has been prepared to receive the sand Seal material.

APPLICATIONS

Asphalt emulsion is sprayed at 0.7-1.0 liter/m² residual asphalt and coarse, sand is spread at 5-7 kg/m². The Sand is rolled well. On roadways excess sand should be swept off within 2-3 days.

PRECAUTIONS /LIMITATIONS

Avoid skin and eye contact, in case of contact, use plenty of water and seek medical advice.

Ultra Sand seal shall not be applied when the ambient temperature is below 10 °C (50 °F) or when rain is imminent.

PACKING

220 Kg Drum, 1000 Kg Tote or Bulk supply.

STORAGE

Ultra sand Seal should be kept within the range of 5 °C - 50 °C

Our production facility at Pakistan is ISO 9001:2008 ISO 14001:2004 by BUREAU VERITAS and UKAS Management

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