ROMIX PNS ECO

Polymer Natural Seal for Wearing Courses

Product data sheet

COMPOSITION

Romix PNS ECO is a water-based polymer solution specifically developed as an admixture for the sealing of base layers stabilized with **Romix SoilFix SRB-5.**

Traditional “spray-on” Polymer Seals, such as dust palliatives have proven to be inadequate, especially under high volume traffic and in heavy traffic conditions such as mining activities, as they tend to wear rapidly. The need to frequently spray Polymer based dust palliatives eventually bEcomes Economically unviable, as the penetration of these products is limited to a few microns into the base layer.

With these difficulties and restrictions in mind, **Romix** developed **Romix PNS ECO** incorporating solution polymers into the Polymer backbone. The application is done by Pneumatic and vibratory compaction allowing for deeper penetration (3-4 mm) into the stabilized layer.

Romix PNS ECO acts as a “polish” on the road surface and has excellent waterproofing capabilities, sheer strength and flexibility. **Romix PNS ECO** effectively fills the microscopic voids on the stabilized surface.

Romix PNS ECO is maintainable in one year cycles, each time reducing the amount of **Romix PNS ECO** application by 20% from the previous application.

FEATURES AND ADVANTAGES

- Water based – will not contaminate bowsers and tanks.
- Environmentally friendly – will not leach into the environment once applied.
- Deeper penetration than standard “spray on” Polymer applications.
- Increased sheer resistance.
- Waterproof - Protects the base layer from water ingress and subsequent softening of the base layer.
- Prevents gravel loss of the stabilized base layer though abrasion.
- No specialized heavy equipment required – Water Bowser and Multi-Tired Pneumatic roller only.
- Natural look – ideal for nature reserves, game reserves and lodges.
- Completely prevents dust pollution – helps improve the health and living conditions of inhabitants near roads.

PREPARATION

- Once the base layer stabilization with **Romix SoilFix SRB-5** is completed, allow the base to dry for at least one day.
- Load one part **Romix PNS ECO** into a water bowser together with four parts water.
- Spray the mixture over the dry stabilized layer. It is proposed that a hessian rag be tied to the spray-bar of the water bowser to ensure even spreading of the product on the surface.
- Whilst still wet, use a Multi-Tired Pneumatic roller to “slush” the product into the layer. The rubber wheel action will force **Romix PNS ECO** hydraulically into the stabilized base.
- Continue rolling until the product dries out and a “polished” appearance is achieved.
- Load one part **Romix PNS ECO** and one part water into the water bowser and repeat the initial process, spread and roll with the Pneumatic Tire Roller until dry.
- Open the road to traffic immediately, as increased rubber wheel traffic will further aid the penetration of the product.
- A “Sand Seal” can also be achieved by sprinkling sifted sand over the sEcond wet **Romix PNS ECO** coat, allowing to dry, sweeping off excess sand and spreading another layer of 50/50 mixture over the sand. This will encase the sand particles in the polymer coat.

MIX YIELD

Penetration spray – 200 ml **Romix PNS ECO Romix PNS ECO** and 800 ml water per m^2
Final coat - 300 ml of **Romix PNS ECO** together with 300 ml water per m^2
Total requirement – 500ml **Romix PNS ECO** per m^2

TECHNICAL DATA

APPEARANCE	WHITE LIQUID
SPECIFIC GRAVITY	1.04
Ph	8.4
FLASH POINT	NIL
PHYSICAL FORM	LIQUID
PACKAGING	210 Lit, 1,000 Lit Minibulk, Bulk Tanker

Manufactured in South Africa by ROMIX Industries (Pty) Ltd. All rEcommendations are based on laboratory tests and in-field use experience, and are, to the best of our knowledge, accurate. Since conditions of actual use are beyond our control, all rEcommendations are made without warranty, expressed or implied.

RI/PNS ECO
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