GO GREEN INDUSTRIAL (SHANGHAI) CO., LTD

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Go Green EZROAD Eco-Friendly Asphalt Pavement Sealer (APS)

Product Introduction

Go Green EZROAD Eco-Friendly Asphalt Sealer (APS) is a next-generation, silicone-modified oil-based asphalt pavement preservative. Engineered specifically for preventive road maintenance, this high-penetration fog seal deep-dives into aged bitumen structural layers to reactivate asphalt binders, seal micro-cracks, and restore the pavement's original deep black finish. One single professional coat extends road service life by at least 3 years, providing global civil engineering contractors and municipalities with an exceptionally cost-effective alternative to costly milling and resurfacing.





Technical Advantages

1.**Deep Structural Penetration & Rejuvenation:** Unlike standard coal tar sealers that merely sit on the surface, Go Green APS penetrates into the pavement matrix to restore flexibility to brittle, oxidized asphalt molecules.

2. **Seamless Crack Sealing (≤3mm):** Effectively seals surface voids and hairline cracks up to 3mm without requiring crack cutting, routing, or additional localized crack fillers.

3.**Advanced Weather & Hydrophobic Protection:** Seals interconnected pores to establish a highly durable waterproof and moisture-blocking shield, dramatically reducing severe damage caused by repetitive freeze-thaw cycles.

4.**Rapid Application & Minimal Downtime:** Applied easily via standard high-pressure airless spraying machinery at a fast rate of 300-500m2/h. It dries quickly, allowing roads to be fully opened to traffic within 2 to 3 hours post-construction.

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Construction Notes

1. The recommended construction temperature is above 5°C, with no rainfall within 24 hours before and after construction.

2. Enclose the construction area. Where traffic marking lines exist, protect them with adhesive tape in advance. Pre-treatment is not required if remarking will be carried out after construction.

3. Clean the pavement, remove oil stains and loose materials, and repair potholes. Ensure the pavement is clean, dry and solid. If water washing is needed, perform it 24 hours prior to construction to guarantee the pavement is completely dry at the time of application.

4. For small areas, manual brushing or airless high-pressure spraying equipment can be adopted. Pressure is preferably set at 28.5 MPa to achieve atomization of the Asphalt Sealer. The recommended nozzle height above the pavement shall not exceed 35 cm. An asphalt distributor shall be used for large-area construction. The spray rate, pressure and spray height must be pre-adjusted before work starts.

5. Application rate: 0.2 kg ~ 0.4 kg/m². The exact rate depends on pavement ageing condition, pore size and construction method.

Use the higher value for pavements with large pores and the lower value for dense pavements. Manual brushing and small emulsion asphalt sprayers cannot produce siliceous asphalt atomization, which will result in higher consumption, so adopt the higher range. Therefore, a trial application is recommended before formal construction to confirm the application rate per square meter.

6. Reopen traffic after 2–3 hours of curing. Extend the curing time appropriately under low temperature conditions.

7. Clear all construction waste upon completion of works; no waste shall remain on site.

Technical specifications

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Test Items	Unit	Technical Requirements	Test Results	Test Method
Rotational viscosity (25°C)	cp	<100	43	NDJ-1 Viscometer
Relative density (25°C)	/	1.05-1.25	1.108	T 0603
State of matter	/	Jet-black oily liquid	Jet-black oily liquid	Estimate by eye
Odor	/	Aromatic hydrocarbon odor	Aromatic hydrocarbon odor	Empirical assessment
Water solubility	/	None/Very few	None	Water agitation test
Water content	%	<1.0	0	ASTM D95 / T0612
Performance test for evaporation residue（80℃, 1h, T0605）				
Solids content	%	≥50	55	T 0651
Penetration（25℃, 100g，5s）	0.1mm	10 ~ 50	21.8	T 0604
Softening point (Ring-and-Ball method)	℃	≥40	45.8	T 0606

Package：

Eco-Friendly Asphalt Sealer is available in the following packaging:

20L steel bucket, 200L steel drum.

Storage:

Store in a well-ventilated, dry, and cool indoor warehouse. The shelf life is 3 years in unopened packaging.



