SIP- RejuvRoof



SoyLei Innovative Products introduces SIP 1132-1, a pioneering emulsion crafted from chemically modified soybean oil meticulously engineered to synergize with asphalt products. Its formulation is tailored not just to decelerate the aging process but to innovatively reverse the effects of aging in asphalt. Leveraging the remarkable properties of modified vegetable oil, SIP 1132-1 transcends traditional applications, offering versatile utility in industrial settings as a dynamic component in coatings, additives, and topical asphalt treatments. Through its unique interaction and chemical reactivity with asphalt, SIP 1132-1 stands at the forefront of sustainable pavement innovation, providing a cost-effective, eco-conscious choice for extending the life and improving the performance of asphalt infrastructures.

SIP 1111 CHARACTERISTICS					
APPEARANCE	Beige				
SOLIDS CONTENT (%)	10-60				
ODOR	No Odor				
VISCOSITY @ 25°C	50-100 Cp				
BIODEGREABLE	YES				
DRY TIMES AT 70-	Tack free	30 min			
80°F AND 50% HUMIDITY	Foot Traffic	1hr.			
	Full cure	1-2 hrs.			
PH	Neutral				
FREEZING POINT	32.0°F				
FLASH POINT	None				
SPECIFIC GRAVITY @ 2	8.1- 8.2				

PRODUCT USE	ES:
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- **Asphalt Shingles**
- Flat Asphalt Roof

PACKAGING SIZE:

- 5-gallon Pail
- 55-gallon Drums
- 275-gallon Tote
- Tanker (45,000 lbs.)

PROPERTIES	CONTROL (NO TREATMENT)	MARKET LEADER	SIP ₁₁₃₂₋₁	BENEFITS
COLOR GRAY SCALE	-	-22 %	1 %	Improved the black color
GRANULE ADHESION	-	-17 %	50%	Improves resistance to hail damage
TEAR STRENGTH REDUCTION	-	29 %	14 %	Decreased the tear resistance
PLIABILITY TESTING (55°F)	Fail	Pass	Pass	How brittle the shingles is from aging
FIRE RESISTANCE (BURN PATTERN)	40"	27"	15"	Controlled the spread of fire per area
HAIL IMPACT- DOUBLE LAP DOUBLE LAYER	Pass Pass	Fail Fail	Pass Pass	Maintains hail resistance

STORAGE AND HANDLING:

Shelf Life: 6 months with proper storage and handling.

Materials for Construction: Compatible with carbon steel, 304/316 stainless steels, polyethylene, PVC, CPVC. Temperature limits for non-metallic materials should be considered.

Storage Conditions: Ambient temperatures are ideal. Freezing occurs below 32°F; Optimum storage conditions is 60-110°F

Handling & Agitation: Ensure PEAK is evenly mixed before use by stirring for 5-10 minutes with appropriate equipment or shaking smaller containers. If using a hold tank, agitate before dispensing. Air agitation is viable but should be used cautiously to prevent separation.

Pump Selection: Centrifugal, gear, or diaphragm pumps suitable.

MIXING AND APPLICATION:

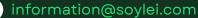
- Add 1 Part PEAK concentrate to 2 parts water.
- Mix vigorously.
- After long term storage or if settling is noticed, mix again prior to use.

Apply Material: 200 ft² for every 1 gal of material









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