

APEX-1132

Roof Rejuvenation Treatment

Product Data Sheet



SoyLei Innovative Products introduces APEX-1132, a concentrated chemically modified soybean oil emulsion engineered to react and restore asphalt roofing shingles. Its formulation is tailored to decelerate and chemically reverse aging effects in asphalt. It's the only product on the market built on internationally reviewed peer science and is the highest performing and most affordable roof rejuvenation treatment on the market.

APEX-1132 CHARACTERISTICS

APPEARANCE	White
SOLIDS CONTENT (%)	60
ODOR	No/Minimal Odor
VISCOSITY AS SUPPLIED @ 25°C	500-2,000 cP
BIODEGRADABLE	YES
DRY TIMES @ 70-80°F, 50% RH	
Tack free	30 min
Foot Traffic	1hr
Full cure	1-2 hrs
pH	Neutral
FREEZING POINT	32.0°F
FLASH POINT	None
SPECIFIC GRAVITY @ 25°C	0.98

PRODUCT USES:

- Asphalt Shingles

PACKAGING SIZE:

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

STORAGE AND HANDLING:

Shelf Life: Up to 12 months when stored as directed.

Materials: Compatible with carbon steel, 304/316 stainless steels, polyethylene, PVC, CPVC.

Storage: Ambient temperatures ideal. Freezing below 32°F; Optimum 60-110°F.

Handling: Mix before use by stirring 5-10 minutes. If using hold tank, agitate before dispensing.

Pumps: Centrifugal, gear, or diaphragm pumps suitable.

MIXING AND APPLICATION:

- Mix after long storage if settling occurs
- Dilute 5:1 by volume: add and mix 5 parts water to 1 part concentrate
- Spray on surface using a spray applicator

Apply Material: 200 ft² per gallon

ASPECT PROPERTIES AND PERFORMANCE:

Aspect Properties	Control Treatment	(No Market Leader	APEX-1132	Benefits
Sun Bleaching	-	Short-Term Improvement	Long-Lasting Improvement	Healthier, newer looking shingle
Granule Adhesion	-	17%	50%	Improved resistance to hail damage
Tear Strength	100%	70%	86%	Lower reduction of tear strength
Pliability Testing (55°F)	Fail	Pass	Pass	How brittle the shingles is from aging
Flame Spread (in)	42	30	15	Reduces the spread of flame
Hail Impact	Pass	Fail	Pass	Maintains hail resistance. Pliability increase and grit retention don't trade off ability to resist deformation

