

# ECOLastic®

## A Water-based, Asbestos Free Treatment for Maintaining Built-Up Roof Membranes

### FEATURES

- Compatible bitumen
- Asbestos free solvent free and ecologically clean
- Cold-applied
- UL approved

### BENEFITS

- Can be used on modified bitumen as well as tar and asphalt built-up roofs
- Minimal odor
- Air pollution minimized
- Safe to use. Fire hazards greatly reduced
- Fire protection

### DESCRIPTION

ECOLastic® is an emulsified blend of special aromatic oils and additives formulated to be compatible with modified bitumen, tar and asphalt built-up roof membranes. ECOLastic is asbestos free.

### BASIC USES

Formulated to maintain weathered dry roof membranes and improve self-healing characteristics of coal tar pitch. Effectively restores pliability of built-up roof bitumens.

Recommended for use as surfacing adhesive for new asphalt and gravel constructions, for new tar and gravel roofs, and for new modified bitumen roof systems.

### PACKAGING

ECOLastic is available in 19L and 208L (5 and 55 gallon) containers. 1880 L (500 gal) tote tanks are available on special order basis.

### GRADE

Spray, brush.

**Recommended spray equipment:** Minimum 11:1 ratio pump with 3.9 - 4.4 mm (.156" to .172") spray tip.

### STORAGE LIFE

One year in unopened container.

### APPLICATION

**Maintenance and Restoration:** Remove loose gravel, dirt, dust, rotted felt, and foreign matter. Roof must be clean. Repair flashings, defects, breaks, and weak areas. Roof must be watertight. Apply ECOLastic. Immediately broadcast aggregate surfacing.

**For New Asphalt-Based Roof Use:** Apply Type III asphalt at approximately 1.5 kg/m<sup>2</sup> (30 lb/sq.). Apply protective coating of ECOLastic. Promptly cover with fresh roofing gravel at 19-25 kg/m<sup>2</sup> (400-500 lb/sq.). Gravel surfacing shall conform to ASTM D 1863-86.

**For New Tar-Based and Modified Bitumen Roof Usage:** Consult your local Tremco Representative for specific recommendations.

### COVERAGE

Coverage rates will vary depending on actual surface conditions. For maintenance use – 2.8 L/m<sup>2</sup> (7 gal/sq.) minimum. For new roof use – 2.0 L/m<sup>2</sup> (5 gal/sq.) minimum.

### CLEAN UP

Clean with soap and water immediately after use.

### LIMITATIONS

- ECOLastic is not intended for use in protected membrane assemblies.
- Store above 0°C (32°F).
- Do not apply to roofs having a slope greater than 16% (2:12).
- ECOLastic is not intended to be used on smooth asphalt roofs as a smooth surface treatment.
- Do not apply below 50°F (10°C) or when rain appears imminent.

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## PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Asbestos content	None	ASTM D 276-00
Density @ 25°C (77°F)	1030 kg/m <sup>3</sup> , 8.6 lb/gal	ASTM D 1475-98
Volatile organic content	29 g/L	ASTM D 3960-05
Water content	40%	ASTM D 3792-05
Penetration of tar felts	Prominently visible amount of coating between each felt. Top 3 felts bonded together so that separation causes them to tear. For 3rd and 4th treated felts MVT shall be 12 g/100 in 2/24 hrs. max.	TRC 712
Wash-off resistance	Passes	TRC 709
Freeze/thaw stability	Usable after 10 cycles	TRC 710
Low temperature flexibility @ 7°C (45°F)	No cracking or loss of adhesion	TRC 715
Gravel stain	No staining of gravel except bottom layer in intimate contact with materials.	TRC 717

TRC - Tremco Research Center - Standard Test (procedure used is available)

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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