

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

**Composition:** ECOLastic® is an emulsified blend of special aromatic oils and additives formulated to be compatible with both tar and asphalt built-up roof membranes. ECOLastic is asbestos free.

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

Also used as flood coat on new asphalt and gravel constructions or on new tar and gravel roofs.

**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 over modified bitumen membranes.
- Do not apply below 7°C (45°F) or when rain appears imminent.

Product Advantages	
Features	Benefits
Proprietary chemistry	• Can be used on both tar and asphalt built-up roofs
Asbestos free, solvent free and ecologically clean	• Minimal odor • Air pollution minimized
Cold-applied	• Safe to use. Fire hazards greatly reduced
UL approved	• Fire protection

**Packaging:** ECOLastic is available in 19L and 200L (53 gal) containers. Tanker service available.

**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 DATA**

**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 Roof:** 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.

**Equipment Clean-Up:** Clean with soap and water immediately after use.

**Precautions:** Users must read container labels and Material Safety Date Sheets for health and safety precautions prior to use.

**Availability and Cost:** Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division in Canada at 416/421-3300 or 800/263-6046 or in the U.S. at 216/292-5000 or 800/852-6013.

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

**Guarantee/Warranty:** Tremco Inc. warrants ECOLastic to be free of defects and to meet published physical properties when tested according to ASTM and Tremco standards. Under this warranty, any ECOLastic product that is proved to be defective when applied in accordance to our written instructions, and in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY.

All claims concerning product defects must be made in writing within twelve (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product.

This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Services:** Your local Tremco Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation. As neither Tremco itself nor its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the Owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

### Physical Performance Characteristics

#### ECOLastic®

Property	Typical Value	Test Method
Asbestos content	None	ASTM D 276-87
Density @ 77°F (25°C)	8.6 lb/gal 1030 kg/m <sup>3</sup>	ASTM D 1475-85
Volatile organic content	75 g/L	ASTM D 3960-93
Water content	40%	ASTM D 3792-86
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.	ASTM D 398-83/ TRC 712
Penetration of asphalt felts	Top 3 felts of each assembly bonded together so that separation causes felts to tear. 5th felt shall show signs of penetration.	TRC 713
Wash-off resistance	Passes	TRC 709
Freeze/thaw stability	Usable after 10 cycles	TRC 710
Inversion	None	TRC 711
Low temperature flexibility @ 45°F (7°C)	No cracking or loss of adhesion	TRC 715
Water resistance	Water pick-up 1.5% by weight max without adhesion loss or reemulsification.	TRC 716
Gravel stain	No staining of gravel except bottom layers in intimate contact with materials.	TRC 717
Bonding of felt	Separation causes 2nd and 3rd felts to tear.	TRC 718

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

**TREMCO**

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