
Decotone ESD

Electro Static Dissipative Laminate

1. Product Identification

ESD Laminate – Electro Static Dissipative Laminate

2. Manufacturing and Marketing:

Decotone ESD – Electro Static Dissipative Laminates are marketed and distributed by:

Decotone Surfaces

520 South Ave.

Garwood, NJ 07027

Phone: (908) 301-0600

Fax: (908) 301-0601

www.decotonesurfaces.com

sales@decotonesurfaces.com

3. General Description: *Decotone ESD – Electro Static Dissipative Laminates* are composed of a layer of Melamine impregnated decorative paper face, special treated static dissipative carbon paper, fused to several layers of phenolic impregnated Kraft paper. The backside of the laminate is sanded to ensure uniform bonding and consistent thickness. Decotone Static Dissipative Laminates are post formable.

- **Sheet sizes:** 4' x 8', 4' x 10', 4' x 6', 36" x 72", 36" x 60.5" – other sizes available upon request.
- **Test Results:** Resistance to groundable point: 1×10^{6th} to 1×10^{9th} ohms. In accordance to ESD S41
- **Availability:** Decotone ESD – Electro Static Dissipative Laminates are available in White, Almond, and Gray. Other colors available upon request.
- **Thickness Available:** .8mm (.032") thick up to 1.0mm (.040")
- **Not recommended for:** Areas exposed to high temperatures, or exterior use.

4. Installation: *Decotone ESD Laminates* can be bonded to the following substrate material. Plywood, MDF Board, HDF Board, Particle Board. Material should be installed in conformance with basic techniques outlined by NEMA LD-3, and in conformance with the standards set forth by ESD S-41; as recommended by your adhesive manufacture.

5. Balancing: We recommend that all *Decotone Laminates* adhered to a substrate should be balanced with an equally thick Decotone Phenolic backer to help ensure a proper balance in order to keep finished boards flat.

6. Care and Maintenance: Decotone ESD *Decorative Laminates* should be cleaned with a particle free, clean, non-abrasive, damp cloth. Mild soap and water or mild liquid detergent can be used. **Do not use:** Solvents, abrasive cleaners, steel wool, powder soap, harsh chemicals, acids or alkaline cleaners. These products may cause scratching and/or surface discoloration.

7. Test results: See test results on following page.

STATIC DISSIPATIVE LAMINATE

DATE : AUG. 17, 2007.

Thickness: Postformable sheet 0.8 +/-0.11 (mm)

TEST ITEM	Electrical Results (HPL)	After-Postforming
Static Dissipative	1x 10 ⁸ to 10 ⁹ Ω RANGE	1x 10 ⁸ to 10 ⁹ Ω RANGE

ELECTRICAL PROPERTIES	
Test Relative Humidity	Electrical Results
60% ~ 30%	1x 10 ⁸ to 1 x 10 ⁹ Ω
30% ~ 10%	1x 10 ⁸ to 1 x 10 ⁹ Ω

- ▶ ACL STATICIDE SURFACE RESISTIVITY METER
(MODEL 475 USA)

PHYSICAL PROPERTIES		
PROPERTIES	SPEC	TEST RESULT
Resistance to staining	Acidity sodium sulfite	No Defect
	Gasoline	
	10% Ammonium Solution	
	Acetone	
	Ink(Black)	
Flexibility	Width	No Defect
	Length	No Defect
Surface Wear Resistance	Wear value	More Than 200
	Wear amount	Less Than 0.1
Light Resistance		No Defect
		Less Than 3.0