

Dorby Mica→ Laminate Basic Types Technical Data

Manufacturer

Pegasus Panels Pvt. Ltd.,

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Product Description

Recommended Uses

Dorby Mica→ Laminate is suitable for use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on columns, wainscoting, valances, cornices, interior doors and divider systems.

- **General Purpose (HGS) Type S** is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type S is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.

Product Composition

Decorative surface papers impregnated with melamine resins are pressed over kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at specific pressures greater than 80 kg per square centimeters. at temperatures approaching (148°C-155 °C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

Basic Limitations

Dorby Mica→ Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate.

Do not subject Dorby Mica→ Laminate to extremes in humidity, temperatures higher than (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

Patterns & Colors

Available in the full range of Dorby Mica solid colors, stones, marbles, woodgrains, leathersand patterns. Please see actual sample before specifying.

Technical Data

S.NO.	PROPERTIES	UNIT	SPECIFIED VALUE AS PER IS 2046:1995	TYPICAL VALUE DORBY MICA
1	Width	MM	1220 (+3,-0)	1221
2	Lenth	MM	2440 (+6,-0)	2442
3	THICKNESS	MM	1 MM \pm 0.10 %	1.00-1.05
4	Warping (Flatness)	MM	120	30
5	Resistence to dry heat at 180°C	Grade	Not wrose than 4	3
6	Resistence to surface wear	Grade	Not wrose than 3	3
7	Resistence to immersion in boiling water			
7.1	a)Mass incerase	%	10.0 (Max.)	6.23
7.2	b)Thickness increase	%	11.8 (Max.)	6.56
7.3	c)Appearance	Grade	Not wrose than 4	4
8	Dimentional stability at deviated temperature			
8.1	Longitudinal	%	0.55(Max)	0.4
8.2	Transverse	%	1.025(Max)	0.85
9	Resistence to staining			
9.1	Group 1 and 2	Grade	Not wrose than 5	5
9.2	Group 3 and 4	Grade	Not wrose than 4	4
10	Resistence to color change			
10.1	a) In xenon Arc light	Grade	Not wrose than 6	6
10.2	b) In enclosed Carbon Arc light	Grade	Not wrose than 5	5
11	Resistence to cigarette burns	Grade	Not wrose than 3	3
12	Resistence to cracking	Grade	Not wrose than 4	4
13	Resistence to scratching	Grade	Not wrose than 3	3
14	Resistence to steam	Grade	Not wrose than 4	4

Installation: Fabrication and Assembly Recommendations

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and “Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program” guidelines of the Architectural Woodwork Institute where applicable.

Dorby Mica laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8” (3.175mm) radius and all edges should be routed smooth.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.

Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.

Recommended conditioning temperature is about (24°C- 27°C). Laminates should be conditioned at 45% to 55% relative humidity.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

Warranty

Dorby Mica warrants that, under normal use and service, this shall conform to the standards set forth on the applicable technical data sheets for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers and distributors are provided with the technical data sheets that contain specific standards of performance for the products. In the event that this product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product that is defective, at the manufacturer's sole discretion.

This warranty applies only to product:

1. In its original installation; and
2. Purchased by the first consumer purchaser.

This warranty is not transferable, and expires upon resale or transfer by the first consumer purchaser. This warranty shall not apply to defects or damage arising for any of the following:

1. Accidents, abuse or misuse;
2. Exposure to extreme temperature;
3. Improper fabrication or installation; or
4. Improper maintenance.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE. UNDER NO CIRCUMSTANCES SHALL DORBY MICA BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO FABRICATOR, INSTALLER, DEALER AGENT OR EMPLOYEE OF PEGASUS PANELS PVT. LTD. INDIA, . HAS THE AUTHORITY TO MODIFY THE OBLIGATIONS OR LIMITATIONS OF THIS WARRANTY.

This warranty gives you specific legal rights, and you also may have other rights that vary from state to state; therefore, some of the limitations stated above may not apply to you. It is to your benefit to save your documentation upon purchase of a product.

Maintenance*

The decorative surface may be cleaned with warm water and mild soaps, such as those used for hands or dishes. Do not use cleansers that contain abrasives, acids or alkalis; they will damage the decorative surface. Remove stubborn stains with a 2-minute exposure to hypochlorite bleach such as Clorox→, followed by a clean water rinse.

We recommend that you **not** allow any of the following agents to **remain** in contact with the decorative surface:

1. Hypochlorite bleach, except as described above
2. Hydrogen peroxide solution
3. Mineral acids, hydrochloric acid such as Lime-A-Way, sulfuric or nitric acid
4. Caustic solutions containing greater than 2% lye, such as Drano→
5. Sodium bisulfate, such as Sani-Flush→
6. Potassium permanganate
7. Berry juices
8. Silver nitrate, in 1% concentration or greater
9. Gentian violet
10. Mild silver protein, such as 20% argyrol
11. Bluing
12. Fabric dye, such as Tintex→ or Rit→
13. Alcohol containing 1% iodine in solution

Free copies of the “Care and Maintenance Guide,” which covers Dorby Mica product, are available. The guide can be accessed at <http://www.Dorbypanels.com> or by calling our hotline at +91-22 – 4111 1031 / 90042 00052. It can be used for your own information, for project manuals, and for provision to clients and contractors involved with interior construction and finishing.



TECHNICAL DATA SHEET

Issue Date: 01Jan 2022

Revision: 01

Specification Form:

Surface shall be Dorby Mica→Laminate,
produced by Pegasus Panel Pvt. Ltd
Gandhidham Gujarat,

Type: Specify HGS

Surface

Color Number: _____
Color Name: _____

Finish

Name: _____

Thickness 1.00 MM