



Standard HDF

Technical Specifications

About Eureka HDF

As an innovative, inherently sustainable solution for both the workplace and the home, Eureka™ Sustainable High Performance HDF represents a groundbreaking leap forward in the HDF industry. Created by CalPlant, Eureka embodies the company’s dedication to environmentally conscious practices by using rice straw, a wasted natural byproduct of the harvest, to create a high-performing wood alternative. Eureka boasts the same paintability, machinability and strength as traditional HDF—but with no added formaldehyde. Eureka HDF rice straw is sourced within an average 25-mile radius of the plant, ensuring this revolutionary product benefits its immediate community.

Applications

Eureka HDF was created for interior, non-structural applications only, such as:

- Furniture
- Cabinetry
- Doors
- Store fixtures
- Flooring substrates (engineered and laminate flooring)

Average Expected Physical Properties <3/8"

	Imperial	Metric
Density	52.0-60.0 lbs/ft3	833-961 Kg/m3
Moisture Content	6-9%	6-9%
Thickness Tolerance	±0.005"	±0.125mm
Modulus Of Rupture	4,500 psi	31.0 N/mm2
Modulus of Elasticity	450,000 psi	3,102.6 N/mm2
Internal Bond	200 psi	1.38 N/mm2
Linear Expansion Limit	≤0.33%	≤0.33%
Length/Width Tolerance	±0.08"	±2.0mm
Thickness Swell 1" from edge	0.065"	1.65mm
*EPA TSCA VI & CARB 2 Emission Limit, thicknesses > 0.315"	≤0.04 ppm	≤0.04 ppm

Testing performed to ANSI A208.2-2016 in accordance with ASTM D1037-12

*Manufactured using a urea formaldehyde-free resin system.

The above specifications are targets for Standard Grade Eureka HDF. Actual properties may vary.

Packaging Specifications

Panel Widths: 48", 49", 60", 61"

Lengths: 73", 96", 97", 109", 121"

Thickness (in)	Thickness (mm)	Pcs
0.0906	2.3	348
0.0984	2.5	312
0.1102	2.8	201
0.1181	3.0	201
0.1250	3.2	192
0.1575	4.0	184
0.1875	4.8	126
0.2047	5.2	117
0.2360	6.0	99
0.2500	6.4	96
0.3540	9.0	66

Industry-specific sizes available upon request

Environmental Certifications, Standards & Labels

Commencing with startup and continuing over several months, CalPlant will pursue several certifications, material ingredient labels and third-party verification of our environmentally advanced Eureka HDF. CalPlant anticipates completion and achievement of the following in 2021:

- **Pre-consumer recycled content** certification
- Composite Panel Association's **EcoCertified Composite Sustainability Standard** (ECC)
- Health Product Declaration (HPD) through the **Health Product Declaration** Collaborative
- **Declare** label through the International Living Future Institute
- Life Cycle Assessment (LCA)
- Environmental Product Declaration (EPD)
- **Environmentally Preferable Product** (EPP) label

Storage & Handling

- Do not store or use outdoors.
- Store indoors in a well-ventilated, clean, dry area that is free of dust, dirt or contaminate particles.
- Store flat on stickers on a level, hard, dry surface.
- Maintain constant relative humidity and temperature.
- Before use, allow to stabilize to the same conditions expected after installation.
- Condition 48-72 hours prior to lamination.

For more information, see the Composite Panel Association's *Technical Bulletin: Storage & Handling of Particleboard & HDF*.

Contact Us

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