



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

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

EPA TSCA VI & CARB 2 Emission Limit -

> 8 mm thick: ≤ 0.11 ppm

≤ 8 mm thick: ≤ 0.13 ppm

Eureka HDF is manufactured using a formaldehyde-free resin system. There is no added formaldehyde (NAF).

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 (3/32")	2.3	348
0.0984 (3/32")	2.5	312
0.1102 (7/64")	2.8	201
0.1181 (1/8")	3.0	201
0.1250 (1/8")	3.2	248
0.1575 (5/32")	4.0	184
0.1875 (3/16")	4.8	126
0.2047 (13/64")	5.2	117
0.2362 (15/64")	6.0	99
0.2500 (1/4")	6.3	96
0.3543 (23/64")	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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