Timber Products

Particleboard Panel

encore™ FR

Encore™ FR is a Class 1 (A) certified sustainable design particleboard (SDP) made from recycled wood, and meets the most stringent formaldehyde emission standards in the world. Ampine's® manufacturing process utilizes a formaldehyde-free (NAF) adhesive system to produce Encore FR. During processing, a fire resistant additive is blended with wood fiber to provide flame retardant properties throughout the panel, which ensures the panel maintains its fire resistance when it is machined or sanded. This process results in an extra layer of protection compared to products made with surface flame retardant coatings. Encore FR is ideal for LEED® and other environmentally focused building projects requiring Class 1 (A) certified flame retardant materials, including when certain indoor air quality requirements are specified. Encore FR is manufactured at the Ampine mill in Sutter Creek, California.

FEATURES & BENEFITS

- Class 1 (A) certified, flame retardant panels
- CARB NAF Exemption
- CARB ATCM 93120 P2 and TSCA Title VI Compliant
- Canadian S102 fire test certified
- Panel core is dyed red for easy identification as a flame retardant product
- FSC® certified panels available upon request

Timber Products

ampine®

MILL CAPABILITIES

- 4' and 5' widths
- Lengths up to 24'
- Custom sizes available upon request
- Cut-to-size and special packaging available
- Minimums may apply

HANDLING & STORAGE

- Store indoors on a flat, level surface with adequate support to prevent sagging
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures
- For best results, Encore FR should be conditioned to the environment 48-72 hours prior to fabrication

PAINTING/LAMINATING

- When choosing a coating or laminate system, confirm compatibility of the paint, laminate or adhesive with the respective manufacturer and ensure the Class 1 (A) flame spread classification of Encore FR will not be adversely affected.

HOW TO SPECIFY

- Encore FR, an industrial grade Class 1 (A) Flame Retardant particleboard panel tested in accordance with ASTM E84-14, made with no added formaldehyde.

Technical Data	Industrial
Density	45 lb/ft^3
Internal Bond	90 lb/in^2
Modulus of Rupture	1,900 lb/in^2
Modulus of Elasticity	370,000 lb/in^2
Screw Holding, Face	270 lbs
Screw Holding, Edge	190 lbs
Thickness Tolerance	± 0.005"
Length/Width Tolerance	± 1/16"
Squareness Tolerance	± 1/8"
Flame Spread Rating	Class 1 (A)

Average physical properties for 3/4" panel, based on a 5 panel average, when tested in accordance with ASTM D1037. Specific design applications and technical data are available upon request.

APPLICATIONS

- LEED® projects
- Wall panels
- Schools
- Cabinetry
- Hospitals
- Casework
- Retail
- Fixtures
- Commercial interiors
- Furniture
- Hospitality
- Doors
- Airports
- Countertops

Timber Products Company is one of the nation's largest and most respected manufacturers of a comprehensive range of wood products.

As an independently owned, fully integrated company with dedicated manufacturing facilities in both the western and eastern United States, we provide immediate access to a tremendous selection of products and services. We've implemented new technologies to make our operations more efficient and our products more cost-effective. We can respond to your needs faster, with greater flexibility and with an absolute assurance of quality.

DISCLAIMER AND TECHNICAL NOTE: Encore FR, and Apex FR HD are Class (1) A fire retardant particleboard products. Timber Products has exercised good faith, diligence, reasonableness, and care by having these products tested in accordance with ASTM E-84-15 and through providing this additional information. Many customers further Process Timber Products Fire Retardant particleboard with a plethora of finishes, catalyst, paints, adhesives, environmental conditions, press cycles, pressures and temperatures, overlays etc. that may react differently than standard non fire retardant particleboard. Furthermore, any one or all of these customer processes can change the fire retardant characteristics of our fire retardant products. Timber Products cannot anticipate or provide guidance concerning every variation or combination of these factors. Timber Products recommends that the compatibility of these surface treatments or adhesive systems be tested and evaluated prior to full-scale production. DISCLAIMER: Except as expressly stated elsewhere, with this Disclaimer and Technical Note, Timber Products makes no express warranties. Additionally, with respect to these products once they have been processed, or otherwise modified, by our customers, Timber Products expressly disclaims any other warranty, express or implied, including merchantability and fitness for a particular purpose.

GUARDIAN

GUARDIAN FIRE TEST LAB
www.firetesting.com
APEX FR

GL041316 FSR 25	ASTM E84 SDC10
GL017817 FSR 15	CAN/ULC-S102 SDC 35

CAN/ULC-S102 certification is for 1/2" and thicker product.

SCS Certified
SCS-MC-02470
Pre-Consumer Recycled Wood Content
MINIMUM 82% RECYCLED CONTENT PRE-CONSUMER

ECC Certified
Specification CPA ECC 4-11
CARB Third Party Certifier TPC-1

FSC C021324
The mark of responsible forestry
(Available upon request)

CHPS Compliant
Meets Materials Specifications for VOC emissions section 01350

SCS Validation
SCS-NAF- 01510
No-Added Formaldehyde

©2021 Timber Products Company. All rights reserved. 1/21