

SECTION 06062

MEDIUM DENSITY FIBERBOARD

PART GENERAL

SECTION INCLUDES

Medium density fiberboard for fabricated wood items.

RELATED SECTIONS

Section 06200 - Finish Carpentry.

Section 06400 - Architectural Woodwork.

REFERENCES

ANSI A208.2 - Medium Density Fiberboard for Interior Use.

UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials.

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's descriptive literature for specified products; indicate conformance to specified requirements.

Manufacturer's Instructions: Recommendations for fabrication and finishing techniques using specified products.

DELIVERY, STORAGE, AND HANDLING

Storage and Protection: Store products of this section on flat, level surface, supported to prevent sagging; maintain dry, heated storage area until products are used.

SEQUENCING

Supply products of this section to fabricators requiring them in time for conditioning products to environment minimum two days before fabrication.

PART PRODUCTS

MANUFACTURERS

Acceptable Manufacturer: Medite Division of Sierra Pine Ltd.; P.O Box 4040, Medford OR 97501. ASD. Voice (800) 676-3339 and (503) 773-2522, FAX (503) 779-9921.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

MATERIALS

Medium Density Fiberboard, Exterior Grade:

Acceptable Product: Medex.

Physical Characteristics: Wood-based panel product, manufactured from softwood fibers, minimum 90% of which obtained from wood residuals, bonded under heat and pressure with formaldehyde-free synthetic resin binders, meeting requirements of ANSI A208.2 Product Class MD-EXTERIOR, and having the following properties for sheet material thicknesses up to, and including, 3/4 inch:

Density: Minimum 46 pounds per cubic foot.

Internal Bond Strength: Minimum 130 pounds per square inch.

Modulus of Rupture: Minimum 5,600 pounds per square inch.

Modulus of Elasticity: Minimum 575,000 pounds per square inch.

Hardness: Minimum 1000 pounds, Janka modified.

Screw-Holding Capacity: Pounds of force required to pull 1 inch long No. 10 sheet metal screw from material:

Face: Minimum 325 pounds.

Edge: Minimum 275 pounds.

Moisture Content: Maximum 6 percent.

Panel Thickness Tolerance: 0.005 inch, plus or minus.

Medium Density Fiberboard, Interior Grade:

Acceptable Product: Medite II.

Physical Characteristics: Wood-based panel product, manufactured from softwood fibers, minimum 90% of which obtained from wood residuals, bonded under heat

and pressure with formaldehyde-free synthetic resin binders, meeting requirements of ANSI A208.2 Product Class MD, and having the following properties for sheet material thicknesses up to, and including, 3/4 inch:

Density: Minimum 46 pounds per cubic foot.

Internal Bond Strength: Minimum 115 pounds per square inch.

Modulus of Rupture: Minimum 5,200 pounds per square inch.

Modulus of Elasticity: Minimum 520,000 pounds per square inch.

Hardness: Minimum 1150 pounds, Janka modified.

Screw-Holding Capacity: Pounds of force required to pull 1 inch long No. 10 sheet metal screw from material:

Face: Minimum 325 pounds.

Edge: Minimum 275 pounds.

Moisture Content: Maximum 6 percent.

Panel Thickness Tolerance: 0.005 inch, plus or minus.

Medium Density Fiberboard, Fire Retardant:

Acceptable Product: Medite FR.

Physical Characteristics: Wood-based panel product, manufactured from softwood fibers, minimum 90% of which obtained from wood residuals, saturated with fire-retardant additives, then bonded under heat and pressure with formaldehyde-free synthetic resin binders, meeting requirements of ANSI A208.2 Product Class MD, and having the following properties for sheet material thicknesses up to, and including, 3/4 inch:

Density: Minimum 45 pounds per cubic foot.

Internal Bond Strength: Minimum 100 pounds per square inch.

Modulus of Rupture: Minimum 3,500 pounds per square inch.

Modulus of Elasticity: Minimum 375,000 pounds per square inch.

Hardness: Minimum 1000 pounds, Janka modified.

Screw-Holding Capacity: Pounds of force required to pull 1 inch long No. 10 sheet metal screw from material:

Face: Minimum 300 pounds.

Edge: Minimum 225 pounds.

Moisture Content: Maximum 6 percent.

Panel Thickness Tolerance: 0.005 inch, plus or

minus.

Fire Resistance: Class 1 surface flame spread
when tested in accordance with UL 723.

Fasteners: Supply fasteners, type recommended by panel
manufacturer for conditions indicated, to fabricators
requiring them.

PART EXECUTION - Not Used.

END OF SECTION