

PRODUCT NAME

Wilsonart® Thermally Fused Laminate Panels



MANUFACTURER

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PRODUCT OVERVIEW

Wilsonart® Thermally Fused Laminate (TFL) Panels are a key component of the Wilsonart® Coordinated Surfaces program. When combined with Wilsonart's vast array of high performance laminate offerings and edgebanding options, TFL Panels complete a suite of products unmatched in the industry for coordinated color, pattern, and finish selections.

Wilsonart TFL Panels are designed for interior use only and have a wide range of applications. Common design elements are decorative wall panels, cabinetry, furniture, and shelving. TFL Panels are well-suited for installations requiring resistance to stains, surface wear, and scratching.

Standard panel widths are 49 and 61 inches. Standard panel length is 97 inches. Custom widths and lengths are available on special order.

Particleboard and Medium Density Fiberboard (MDF) core materials are standard, in thicknesses ranging from 3/8 inch to 1-1/8 inches depending on core material. Options

Include no-added-urea-formaldehyde and moisture-resistant fabrications.

TFL Panels and integral edgebanding are available in over 200 colors and 6 finishes. Wilsonart offers the widest array of designs in the industry - woodgrains, solids, and abstracts. Laminate facers qualify as NEMA LD-3 Type VGL general-purpose laminates, primarily for vertical applications.

TECHNICAL DATA

TFL Panel particleboard and medium density fiberboard core materials comply with ANSI and Composite Panel Association performance criteria.

Panel assemblies comply with NEMA & ISO test standards for Type VGL laminate panels, as follows:

NEMA Test	TFL Panel Test Results
Light Resistance	Slight effect
Cleanability (cycles)	20 max.
Stain Resistance Reagents 1-10 Reagents 11-15	No effect Moderate effect
Boiling Water Resistance	No effect
High Temperature Resistance	Slight effect
Impact Resistance	15"
Radiant Heat Resistance	60 seconds
Surface Wear Resistance (cycles)	Solid Colors - 400 Woodgrains - 125 Abstracts - 125

ISO 4586-2 Test Method	Wilsonart LP	ISO 4586-3 VGS
Lightfastness	≥ 4 (Slight Effect)	≥ 4 (Slight Effect)
Cleanability (Rating)	< 20	< 20
Stain Resistance Reagents 1-10 (Rating) Reagents 11-15 (Rating)	5 (No Effect) ≥ 3 (Moderate Effect)	5 (No Effect) ≥ 3 (Moderate Effect)
Wet Heat Resistance (Rating)	≥ 4 Slight Effect	≥ 4 Slight Effect
Dry Heat Resistance (Rating)	≥ 4 Slight Effect	≥ 4 Slight Effect
Impact Large Diameter Ball (mm)	~ 200	≥ 600
Radiant Heat - Method B (secs)	~ 86	≥ 200
Surface Wear Resistance (Cycles)	≥ 400 Solids ≥ 125 Woodgrain ≥ 125 Abstracts	≥ 350

Refer to the Wilsonart TFL Panels Guide Specification for detailed technical data.

SUSTAINABLE DESIGN

LEED® V4.1 potential credits can be obtained in the New Construction & Major Renovations (NC) and Commercial Interiors (CI) categories for the following:

- MR 4 Recycled Content
- MR 5 Regional Materials
- MR 6 Rapidly Renewable Content
- MR 7 Certified Wood
- IEQ 4.4 Low-Emitting Materials

Wilsonart TFL Panels can be fabricated to comply with CARB emissions requirements.

CERTIFICATIONS

CPA Certifications for sustainability and CARB formaldehyde emission limitations.

FSC sustainability certifications.

FABRICATION

Refer to Wilsonart Thermally Fused Laminate Panels Fabrication Manual and Wilsonart Fabrication Drawings for detailed information.

WARRANTY

Wilsonart offers a 1 year Limited Warranty against material defects.

CARE AND MAINTENANCE

Refer to the Wilsonart website for care and maintenance instructions.

CUSTOMER SERVICE

For samples, literature, technical assistance, or questions, please call the toll-free Hotline at 800-433-3222, Monday through Friday, 8:00 am to 4:00 pm, CST or visit our website.

REFERENCE SOURCES

American National Standards Institute (ANSI)
www.ansi.org

California Environmental Protection Agency Air Resources Board (CARB Compliance)
www.arb.ca.gov

Composite Panel Association (CPA)
www.compositepanel.org

Construction Specifications Institute (CSI) Master Format® Numbers & Titles
www.csinet.org/masterformat

Forest Stewardship Council (FSC)
www.ic.fsc.org (International) www.us.fsc.org (United States)

National Electrical Manufacturers Association (NEMA)
www.nema.org

U.S. Green Building Council LEED® Green Building Rating System
www.usgbc.org

Wilsonart Guide Specification:
06 6419 - Thermally Fused Laminate Panels
www.wilsonart.com

FILE ORGANIZATION

File under the CSI Master Format® classification system. Common numbers and titles are:

06 6419 - Thermally Fused Laminate Panels



For additional information about Sustainability & Certifications please visit:

[Wilsonart Corporate Sustainability](#)

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