

### 1. **Manufacturer**

Wilsonart  
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### 2. **Product Description**

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.

#### **Recommended Uses**

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.

#### **Product Composition**

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.

#### **Basic Limitations**

Wilsonart TFL is for interior use only. Do not subject Wilsonart TFL to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

#### **Patterns & Colors**

TFL Panels and integral edgebanding are available in over 200 colors and 10 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.

### 3. **Technical Data**

*Custom widths and lengths are available on special order.*

#### **Nominal Sheet Width**

49"	61"
1244.60 mm	1549.40 mm

#### **Nominal Sheet Length**

97"
2463.80 mm

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:

<b>NEMA Test</b>	<b>Type VGL Requirements</b>
<b>Light Resistance</b>	Slight effect
<b>Cleanability (cycles)</b>	20 max.
<b>Stain Resistance</b> Reagents 1-10 Reagents 11-15	No effect Moderate effect
<b>Boiling Water Resistance</b>	No effect
<b>High Temperature Resistance</b>	Slight effect
<b>Impact Resistance</b>	15"
<b>Radiant Heat Resistance</b>	60 seconds
<b>Surface Wear Resistance (cycles)</b>	Solid Colors – 400 Woodgrains – 125 Abstracts - 125

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

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

### **Sustainable Design**

LEED® 2009 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.

#### 4. **Installation, Fabrication, and Assembly Recommendations**

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

#### 5. **Warranty**

Wilsonart offers a 1 year Limited Warranty against material defects.

#### 6. **Maintenance**

Refer to the Wilsonart website for care and maintenance instructions.

#### 7. **Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8:00 am – 4:00 pm, CST.

##### Specification Form

Surface shall be Wilsonart® Thermally Fused Laminate Panels, produced by Wilsonart, Temple, Texas 76503-6110

##### Surface

Color Number: \_\_\_\_\_ Color Name: \_\_\_\_\_

##### Finish

Number: \_\_\_\_\_ Name: \_\_\_\_\_

##### Edge Trim

Color Number: \_\_\_\_\_ Color Name: \_\_\_\_\_

##### Adhesive

Name: \_\_\_\_\_ Grade/Type: \_\_\_\_\_

Brand: Wilsonart® Adhesive

Wilsonart® Thermally Fused Laminate Panels Technical Data

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For additional information about Sustainability & Certifications  
please visit: [Wilsonart Corporate Sustainability](#)

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