

## 1. **Manufacturer**

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

### **Recommended Uses**

Wilsonart® Traceless™ Laminate, Type 138, is suitable for use on retail, office furniture, manufactured housing, hospitality, casework, countertops, and interior doors and also for architectural application on wainscoting, valances, and divider systems.

- **Type 138** Common applications are for counters, desktops, cabinet doors and drawer panels. Type 138 is intended for use on vertical and horizontal interior surfaces.
- **Type 738 Traceless™ with RE-COVER™** Common applications are suitable for use in retail, office furniture, manufactured housing, hospitality, casework, countertops, and interior doors and also for architectural application on wainscoting, valances and divider systems.

### **Product Composition**

Decorative surface papers impregnated with resins that are pressed over kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, and the backs are sanded to facilitate bonding.

### **Basic Limitations**

Wilsonart® Traceless™ Laminate is for interior use only and is not recommended for direct application to plaster, concrete walls, or gypsum wallboard. It is not structural material and must be bonded to a suitable substrate. Traceless Laminate is a non-post formable product.

Do not subject Wilsonart® Traceless™ Laminate to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, continuous, direct sunlight.

### **Patterns & Colors**

Available in the following Wilsonart colors: 15501, 15502, 15503, 15504, 15505, 15506, 15507, 15508. See all patterns and colors at [www.wilsonart.com](http://www.wilsonart.com). Please see actual sample before specifying.

### **Finish Availability**

- #31 Traceless Finish - A smooth textured finish with moderate reflective value.  
*Nominal Glossometer Reading = 2.5*  
#31 finish is designated for Wilsonart® Traceless™ Laminate only.  
*NOTE: Nominal Glossometer Readings are made at a 60° angle of incidence.*

### Standard Sheet Widths

|        |
|--------|
| 48"    |
| 1219mm |

### Standard Sheet Lengths

|        |        |
|--------|--------|
| 96"    | 120"   |
| 2438mm | 3048mm |

### Thickness and Weight

| Description            | 138                                  |
|------------------------|--------------------------------------|
| Thickness              | 0.039" ± 0.005"<br>(0.99mm ± 0.13mm) |
| Weight per square foot | 0.260#                               |

## 3. Technical Data

### Physical Properties of Wilsonart® Traceless™ Laminates

| ISO 4586 Test  | Typical Wilsonart Type 138                | ISO 4586-8  |
|--|---|---|
| Thickness  | 0.039" ± 0.005"<br>(0.99mm ± 0.13mm)      | 0.039" ± 0.005"<br>(1mm ± 0.12mm)                   |
| Appearance   | No ABC def.                               | Not applicable.                                     |
| Light Resistance   | Slight effect                             | Slight effect                                       |
| Cleanability (cycles)  | 20  | 20  |
| Stain Resistance<br>Reagents 1-10<br>Reagents 11-15                      | No effect<br>Slight effect (Light colors) | No effect<br>Moderate effect                        |
| Boiling Water Resistance   | No Effect                                 | Slight Effect (Gloss)<br>No Effect (Other Finishes) |
| High Temperature Resistance  | No Effect                                 | Slight Effect (Gloss)<br>No Effect (Other Finishes) |
| Impact Resistance  | 45" (1143mm)                              | 31.5" (800mm)                                       |
| Radiant Heat Resistance  | 235 seconds                               | ≥ 200 sec.  |
| Dimensional Stability (Elevated)<br>Machine Direction<br>Cross Direction | 0.3%<br>0.7%                              | 0.55% (max.)<br>0.95% (max.)                        |
| Dimensional Stability (Ambient)<br>Machine Direction<br>Cross Direction  | 0.3%<br>0.7%                              | 0.50% (max.)<br>0.90% (max.)                        |
| Surface Wear Resistance (cycles)   | Meets or Exceeds 350 cycles               | 350 (min.)  |
| Formability*   | Not applicable                            | Not Applicable                                      |

### Typical Fire Test Data

High-pressure laminates are subject to Flame Spread and Smoke Developed standards in structures where codes establish such conditions.

Test data to determine compliance with these codes are obtained by the Steiner Tunnel Test method of the American Society for Testing Materials (ASTM-E-84, Standard Test Method for Surface Burning Characteristics of Building Materials). Tests were conducted in accordance with test method and mounting procedure as described in paragraph X1.7.2 of the test method. This procedure is cataloged by Underwriters Laboratories, Inc. as UL 723.

**Typical Flame Spread and Smoke Developed Properties**

| Product Type | Test Condition | Flame Spread | Smoke Developed |
|--------------|----------------|--------------|-----------------|
| Type 138     | Unbonded       | 80           | 60              |

**Model Code Designations used to determine flame spread classification**

| Flame Spread Classification (Max. Rating) | International (IBC) | Life Safety (NFPA 101) |
|---|---------------------|------------------------|
| 25  | A                   | A                      |
| 75  | B                   | B                      |
| 200                                       | C                   | C                      |

RE: Architectural Woodwork Quality Standard, 8th Edition, Version 1.0, - 2003

All Model Codes regulate the generation of smoke by interior finish material. In all cases they specify a maximum smoke development rating of 450.

**Codes and Certifications**

**General Standards**

Wilsonart® Traceless™ Laminate, type 138, conforms to the voluntary standards of the American National Standards Institute, for thickness, performance properties and appearance. Traceless™ Laminate, Type 138 meets or exceed the International Standards Organization specifications as found in ISO 4586-8, titled “High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications.”

**Specific Product Standards**

The UL GREENGUARD Environmental Institute™ has awarded its UL GREENGUARD® Indoor Air Quality Certification to Wilsonart® Traceless™ Laminate. All Wilsonart® Laminate product types were tested under the stringent UL GREENGUARD Standards for low-emitting products. All UL GREENGUARD Indoor Air Quality Certified products ensure minimal impact on the indoor environment. For a copy of the certificate, visit [www.greenguard.org](http://www.greenguard.org).

All patterns meet SEFA 8-PL testing requirements

**Branded Cleaner and Sanitizer Resistance for Wilsonart® Traceless™ Laminate**

No effect was exhibited except as noted (\* or \*\*) on the following:

1. Clorox Healthcare Bleach Germicidal Cleaner \*\*
2. Clorox Healthcare Versa Sure Cleaner Disinfectant Wipes
3. Oxivir TB \*\*
4. Oxivir 1 \*\*
5. Virex II 256 \*\*
6. Benefect \*
7. PDI Super Sani-Cloth Germicidal Disposable Wipes \*
8. PDI Sani-Prime Germicidal Spray
9. Expose II 256 \*\*
10. Stride Floral Neutral Cleaner \*
11. PURELL Advanced Instant Hand Sanitizer

Test procedure: Listed materials were placed in contact with Wilsonart® Traceless™ Laminate surface under 1" (25.4mm) diameter watch cover glass for 16 hours duration prior to evaluation for effect. The branded cleaners and sanitizers listed above were cleaned with water only.

\* *Causes slight change of gloss or color.*

\*\* *Causes slight damage, with degree of damage proportionate to length of exposure and concentration.*

## **12. Installation: Fabrication and Assembly Recommendations**

Fabrication should follow approved methods. Assembled pieces should meet the specifications of KCMA (Kitchen Cabinetmakers Manufacturers Association), ANSI A-161.2-1998 (revised), and "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute where applicable.

Wilsonart® Traceless™ Laminate must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A-face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Basic Types laminate may not be used as structural members.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. Recommended adhesives are permanent types, such as urea and polyvinyl acetate (PVA), and contact types. Wilsonart® Adhesives are recommended for most bonding conditions.

To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate.

Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for 48 hours before fabrication.

Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

## **13. Warranty**

## **14. Maintenance**

## **15. Technical Services**

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am – 5 pm, CST.

**Specification Form:**

Surface shall be Wilsonart® Traceless™ Laminate, produced by Wilsonart LLC, Temple, Texas 76503-6110

Type: Specify 138

Surface

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

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

Edge Trim

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

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

Adhesive

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

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

Brand: Wilsonart® Adhesive

Wilsonart® Traceless™ Laminate Technical Data

Type 138

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