

1. Manufacturer

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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.

Due to the composition of Traceless, light scratches can be removed using a white melamine foam eraser, ex: Mr. Clean Magic Eraser.

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 full range of Wilsonart solid colors and woodgrains. See all patterns and colors at 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 Sizes

48" x 96"	(1219mm x 2438mm)
48" x 120"	(1219mm x 3048mm)
60" x 144"	(1524mm x 3658mm)

Thickness and Weight

Description	138
Thickness	0.039" ± 0.005" (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" (0.99mm ± 0.13mm)	0.039" ± 0.005" (1mm ± 0.12mm)
Appearance	No ABC def.	Not applicable.
Light Resistance	Slight effect	Slight effect
Cleanability (cycles)	20	20
Stain Resistance Reagents 1-10 Reagents 11-15	No effect Slight effect (Light colors)	No effect Moderate effect
Boiling Water Resistance	No Effect	Slight Effect (Gloss) No Effect (Other Finishes)
High Temperature Resistance	No Effect	Slight Effect (Gloss) No Effect (Other Finishes)
Impact Resistance	45" (1143mm)	31.5" (800mm)
Radiant Heat Resistance	235 seconds	≥ 200 sec.
Dimensional Stability (Elevated) Machine Direction Cross Direction	0.3% 0.7%	0.55% (max.) 0.95% (max.)
Dimensional Stability (Ambient) Machine Direction Cross Direction	0.3% 0.7%	0.50% (max.) 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 exceeds 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.

All patterns meet SEFA 8-PL testing requirements.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Traceless™ Laminate per ISO 4586-2 Method 31 (B)

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

1. Beckart Environmental (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect® *
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray*
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner *
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant *
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant*
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose® II 256 **
17. Diversey™ Oxivir 1 *
18. Diversey™ Oxivir Tb Wipes *
19. Diversey™ Stride® Floral Neutral Cleaner
20. Diversey™ Virex® II 256 *
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray

23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. Purell® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

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.

Branded Cleaner and Sanitizer Resistance for Wilsonart® Traceless™ Laminate per BIFMA HCF 8.1-2014 (Section 6 / Modified)

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

1. Beckart Environmental, Inc. (Stabilized Chlorine Dioxide Mixed with Water at 3000ppm)
2. Benefect®
3. Claire® Germicidal Cleaner (Country Fresh Scent)
4. Claire® Disinfectant Spray Q (Country Fresh Scent)
5. Clean Republic – All Purpose Everyday Cleaner (Hypochlorous Acid – 0.003% Solution)
6. Clorox® Anywhere® Hard Surface Sanitizing Spray
7. Clorox® Clean-Up (Cleaner & Bleach)
8. Clorox® Disinfecting Bleach w/6% Sodium Hypochlorite (24:1/Water:Bleach)
9. Clorox® Disinfecting Spray
10. Clorox® Disinfecting Wipes
11. Clorox Healthcare® Bleach Germicidal Cleaner
12. Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant
13. Clorox Healthcare® Fuzion® Cleaner Disinfectant
14. Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes
15. Clorox® Total 360 Disinfectant Cleaner
16. Diversey™ Expose II 256
17. Diversey™ Oxivir 1
18. Diversey™ Stride® Floral Neutral Cleaner
19. Diversey™ Tb Wipes
20. Diversey™ Virex II 256
21. Fabuloso® Complete (Multi-Purpose Cleaner)
22. Lysol® Professional Disinfectant Spray
23. Microban® 24 Hour (Multi-Purpose Cleaner)
24. PDI Sani-Prime® Germicidal Spray
25. PDI Super Sani-Cloth® Germicidal Disposable Wipes
26. Purell® Advanced Hand Sanitizer Gel
27. Purell® Food Service Surface Sanitizer
28. Purell® Professional Surface Disinfectant
29. Purell® Healthcare Surface Disinfectant
30. Simple Green® Concentrated (All-Purpose Cleaner)
31. Spic and Span® Everyday (Antibacterial Cleaner)

Test procedure: Listed reagent materials were placed in contact with Wilsonart® Traceless™ Laminate surface with a one-inch square 100% cotton cloth completely saturated and covered with a 2"

(50.8mm) diameter watch cover glass for 15 minute duration. The reagents listed above were removed with clean cloth and the area was then cleaned with clean cloth and distilled water only. The surface area was allowed to dry for 1-hour prior to evaluation for effect.

* Causes slight change of gloss or color.

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

Resistance of Furniture to UV Lights for Wilsonart® Traceless™ Laminate per BIFMA HCF 8.1-201X Section 9 (Alternate Method per ASTM G155 using ISO 4586-2.33 conditions)

Wilsonart Laminates 107,335,350 and 376 conforms to BIFMA – Healthcare Furniture Design Guidelines for Cleanability , Section 9 Resistance to Furniture to UV Lights. Wilsonart Laminates 107, 335, 350 and 376 meet or exceed the acceptance level for surface evaluation.

4. 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.

5. Warranty

6. Maintenance

7. 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™, 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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