

Wilsonart® RE-COVER™ Laminate (#735, #776)

Technical Data

Manufacturer
Wilsonart LLC
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Product Description

Recommended Uses

Wilsonart® RE-COVER™ Laminate is suitable for flatwork use on fine quality residential and contract furniture, fixtures and casework, and also for architectural application on wainscoting, valances, cornices, interior doors and divider systems. Wilsonart Re-COVER Laminate must be bonded to a suitable substrate such as particleboard, medium density fiberboard, plywood with one "A" face, previously bonded high pressure (or low pressure) decorative laminate (melamine board). See <http://assets.wilsonart.com/productlib/manuals/laminate/RE-COVER%20Laminate%20Fabrication%20and%20Installation%20Guide.pdf> for detailed instructions

- ◇ **Vertical Surface (VGS) Type 735** is the usual choice to surface cabinet walls, doors and drawer panels. It often appears on the vertical surfaces of desks, restaurants booths and maitre d' stations, and as architectural cladding. Type 735 is intended for vertical applications where a functional, durable, decorative surface must absorb somewhat less impact than a comparable horizontal surface.
- ◇ **High Definition (HGL) Type 776** is used for work surfaces on islands, counters, vanities, desks and tables. Wilsonart® HD® High Definition® carries AEON technology and provides 3x wear resistance of industry standards, along with improved scratch, scuff and mar performance. Type 776 is made for both horizontal and vertical interior applications where the surface must be functional, durable and decorative.

Product Composition

Decorative surface papers impregnated with melamine resins 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, sanded, then coated with an acrylic adhesive.

Basic Limitations

Wilsonart RE-COVER Laminate is for interior use only and must be bonded to a suitable substrate such as particleboard, medium density fiberboard, plywood with one "A" face, previously bonded high pressure (or low pressure) decorative laminate (melamine board). See <http://assets.wilsonart.com/productlib/manuals/laminate/RE-COVER%20Laminate%20Fabrication%20and%20Installation%20Guide.pdf> for detailed instructions. It is not structural material.

Do not subject Wilsonart RE-COVER Laminate to extremes in humidity, temperatures higher than 150°F for substantial periods of time, or intense, continuous, direct sunlight.

Patterns & Colors

Available in the full range of Wilsonart solid colors, stones, marbles, woodgrains, leathers and patterns. Please see actual sample before specifying.

Standard Sheet Widths

48"
1219mm

Standard Sheet Lengths

96"	120"	144"
2438mm	3048mm	3658mm

NOTE: Not all sizes are available from stock; contact your Wilsonart representative for details on local availability. Minimums apply to non-standard designs and finishes. Please check with your Wilsonart representative.

Thickness and Weight (with release paper)

Description	735	776
Thickness	.038" +.001" – .004" .96mm + .03mm - .1mm	.049" ± .005" 1.24mm ± .13mm
Weight per Square foot	.235#	.309#

Physical Properties of Vertical Surface Laminates

NEMA TEST	Typical Wilsonart Type 735 (includes adhesive)	NEMA Standard VGS (laminate only)
Thickness (without release paper)	.032" +.001" – .004" .8mm + .03mm - .1mm	.028" ± .004" .7mm ± .10mm
Appearance	No ABC def.	No ABC def.
Light Resistance	Slight Effect	Slight Effect
Cleanability (cycles)	10	20 (max)
Stain Resistance Reagents 1-10 Reagents 11-15	No Effect Slight Effect	No Effect Moderate Effect
Boiling Water Resistance	No Effect	No Effect
High Temperature Resistance	Slight Effect	Slight Effect
Ball Impact Resistance	24" (610mm)	20" (508mm)(min)
Dart Impact Resistance	16" (406mm)	8" (203mm)(min)
Radiant Heat Resistance	120 seconds	80 seconds
Dimensional Stability Machine Direction Cross Direction	0.5% 1.0%	0.6% (max) 1.1% (max)
Dimensional Change Machine Direction Cross Direction	0.6% 0.9%	0.7% (max) 1.2% (max)
Surface Wear Resistance	Meets or Exceeds 400	400 (min)

Physical Properties of High Definition Laminates 776

NEMA TEST	Typical Wilsonart Type 776 (includes adhesive)	NEMA Standard HGL (laminate only)
Thickness (without release paper)	.043" ± .005" 1.09mm ± 0.13mm	.039" ± .005" 1mm ± 0.12mm
Appearance	No ABC def.	No ABC def.
Light Resistance	Slight Effect	Slight Effect
Cleanability (cycles)	10	20 (max)
Stain Resistance Reagents 1-10 Reagents 11-15	No Effect Slight Effect	No Effect Moderate Effect
Boiling Water Resistance	No Effect	Slight Effect
High Temperature Resistance	Slight Effect	Slight Effect
Ball Impact Resistance	37" (940mm)	35" (889mm)(min)
Dart Impact Resistance	20" (508mm)	12" (305mm)(min)
Radiant Heat Resistance	140 seconds	100 seconds
Dimensional Stability Machine Direction Cross Direction	0.5% 0.9%	0.6% (max) 1.0% (max)
Dimensional Change Machine Direction Cross Direction	0.5% 0.9%	0.6% (max) 1.0% (max)
Surface Wear Resistance	Meets or Exceeds 400	400 (min)

Codes and Certifications

General Standards

Wilsonart laminates conform to the voluntary standards of the American National Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) LD3-2005, for thickness, performance properties and appearance. Various grades of Wilsonart laminates meet or exceed the International Standards Organization specifications as found in ISO 4586, titled "High-Pressure Decorative Laminate (HPDL) – Sheets Based on Thermosetting Resins – Part I: specifications."

Specification Form:

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

Type: Specify 735 or 776

Surface

Color Number: _____

Color Name: _____

Finish

Number: _____

Name: _____

Edge Trim

Color Number: _____

Color Name: _____