



1. Product Name

- SolidPlus® Engineered Flooring
 - Classic
 - Character
 - Color Plank
- Specialty
- Wide Plank

2. Manufacturer

Somerset Hardwood Flooring
 P.O. Box 1355
 Somerset, KY 42502

Phone: 877-404-9663
 Fax: 606-678-0283

Website: www.somersetfloors.com
 Email: technicalservices@somersetwood.com

3. Product Description

Basic Use

Engineered hardwood flooring is made in the USA for light commercial and residential applications. Somerset Hardwood Flooring is a Forest Stewardship Council (FSC) certified company, adhering to best forest management practices, thereby assuring that Somerset products are environmentally responsible.

Composition and Materials

The Somerset SolidPlus engineered flooring wear layer is produced from domestically grown and harvested Appalachian hardwood and affiliated with the National Wood Flooring Association, (NWFA). A variety of North American species are available.

All Somerset SolidPlus engineered flooring is Lacey Act compliant and carries a 50-year finish (residential) wear layer warranty and a 5-year finish (light commercial) wear layer warranty. All Somerset flooring carries a lifetime structural warranty.

Benefits

Factory-finished flooring offers a consistent, high quality finish, significantly faster job completion without the excessive dust, finish off-gassing and prolonged cure times of onsite finishing.

SolidPlus engineered flooring is eco-sensible: the same block of



wood used to manufacture one solid piece of 3/4 inch flooring produces four to five 3 mm wear layers for SolidPlus engineered flooring. The cross grain construction offers greater dimensional stability than solid wood. SolidPlus engineered flooring may be installed over radiant heat, below grade (basements) and may be professionally sanded.

See Table 1 for additional features.

Sizes

All Somerset SolidPlus engineered flooring is 1/2 inch (13 mm) thick. See Table 1 for face widths and plank lengths.

Grades

Classic, Color Plank, Specialty and Wide Plank Somerset SolidPlus engineered flooring uses a proprietary grade that meets or exceeds NOFMA Standard.

The Character Collection includes, but is not limited to, small open knots, mineral streaks, worm holes, heartwood, sapwood and burls. See Table 1 for further information.

Colors/Finishes

All Somerset SolidPlus engineered flooring is finished with the Ultimate™ Finish—an advanced, abrasion-resistant, UV-cured formulation of aluminum oxide and urethane.

For appearance, wood and stain finishes, see Table 2.

Accessories/Moldings

- Quarter round
- Threshold
- Reducer
- Stair nose
- T-Mold

Table 1—Technical Data for Somerset SolidPlus Engineered Flooring

	Classic	Character	Color Plank	Specialty	Wide Plank
Species	Red Oak	Walnut, Hickory, Hard Maple, White Oak	Red Oak, White Oak	Hickory, Hard Maple	Red Oak, White Oak, Maple, Hickory
Thickness* (8-ply, overall 1/2")	<ul style="list-style-type: none"> Wear Layer ■ 3 mm* solid dry-sawn wear layer Engineered Core ■ Core is 10 mm thick; overall finished flooring thickness is 1/2 inch and all thicknesses are stated as nominal 				
Widths					
2 1/4" (57 mm)	—	—	—	—	—
3 1/4" (83 mm)	Yes	Yes	Yes	Yes	—
4" (101 mm)	—	—	—	—	—
5" (127 mm)	Yes	Yes	Yes	Yes	—
6" (152 mm)	—	—	—	—	Yes
7" (178 mm)	—	—	—	—	Yes
Plank lengths	■ Random; 10–84 inches (254 mm–2 m)				
Profile	Eased Edge, Eased End	Eased Edge, Eased End	Eased Edge, Eased End	Eased Edge, Eased End	Eased Edge, Eased End
Janka hardness					
Red Oak	1290 lb.	—	1290 lb.	—	1290 lb.
Walnut	—	1010 lb.	—	—	—
Hickory	—	1820 lb.	—	1820 lb.	1820 lb.
White Oak	—	1360 lb.	1360 lb.	—	1360 lb.
Hard Maple	—	1450 lb.	—	1450 lb.	1450 lb.
Critical radiant flux	■ ASTM E648 (0.33 critical radial flux)				
Formaldehyde emissions	■ <0.008 ppm CARB II Compliant				

Product Limitations

- SolidPlus flooring may be installed below, on or above grade
- SolidPlus flooring requires a dry environment beginning prior to delivery and ongoing if it is to perform in service

4. Technical Data

Applicable Standards

American Society for Testing and Materials (ANSI)

- ANSI/HPVA EF 2012—American National Standard for Engineered Hardwood Flooring

American Society for Testing and Materials (ASTM)

- ASTM D1211—Standard Test Method for Temperature Change Resistance of Clear Nitrocellulose Lacquer Films Applied to Wood (Withdrawn 2006)
- ASTM D2197-13—Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion
- ASTM D2794-93(2010)—Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
- ASTM D3359-09e2—Standard Test Methods for Measuring Adhesion by Tape Test



Table 2—Species, Finishes and Appearance for Somerset SolidPlus Engineered Floors

Collection	Finishes by Species	Interactive Color Chart	Appearance
Classic	Red Oak: Natural Red Oak, Gunstock, Cherry Oak, Urban Gray, Sable, Butterscotch, Mystic	Classic color chart	Textured, low gloss
Character	Walnut: Walnut Hickory: Hickory, Hickory Saddle, Hickory Ember Hard Maple: Maple Pine, Maple Onyx White Oak: White Oak	Character color chart	Character, low gloss
Color Plank	Red Oak: Natural Red Oak, Golden Oak, Mocha, Smoke White Oak: Gunstock, Metro Brown, Natural White Oak	Color Plank color chart	Smooth, semi gloss
Specialty	Hickory: Hickory Natural, Hickory Nutmeg, Hickory Spice, Hickory Moonlight Hard Maple: Maple Natural, Maple Tumbleweed, Maple Greystone	Specialty color chart	Smooth, semi gloss
Wide Plank	Red Oak: Gunstock, Colonial Gray, Midnight, Natural Red Oak White Oak: Natural White Oak Hard Maple: Maple Mist Hickory: Hickory Toast, Hickory Saddle	Wide Plank color chart	Smooth, semi gloss

- ASTM D4060—Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser

California Air Resources Board (CARB)

- CARB II Compliant

National Fire Protection Association (NFPA)

- NFPA 101—Life Safety Code®, Class C

Janka Hardness

See Table 1.

Environmental Considerations

Somerset Hardwood flooring is affiliated with:

- Hardwood Plywood & Veneer Association (HPVA)
- National Wood Flooring Association (NWFA)
- Appalachian Hardwood Manufacturers Association (AHMA)
- National Hardwood Lumber Association (NHLA)



- Forest Stewardship Council (FSC)

Somerset's full-time forestry and procurements staff manages Somerset's own timber and works closely with vendors to assure sustainable resource management. Somerset uses every part of the tree; nothing goes to waste, right down to the sawdust, which becomes biofuel, and the bark, which becomes mulch.

Fire Performance

Flame spread Class C Surface burning.

Grading

The primary distinction between the grades is the degree to which natural characteristics, such as knots and mineral streaks, or manufacturing marks, such as sticker burn, are allowed.

5. Installation

Many important decisions must be made at the installation site and therefore are the sole responsibility of the installer/owner. These include, but are not limited to, proper storage and handling, complete evaluation of site conditions including moisture testing of the subfloor and flooring, acclimation of flooring to appropriate conditions, subfloor preparation, flooring layout, milling, grade, color and gloss, scraping, proper installation methods, sufficient quantity on hand to complete the job and jobsite cleanup. For best results, Somerset suggests installation be done by a National Wood Flooring Association (NWFA) Certified Professional.

Preparatory Work/Methods/Delivery/Storage and Handling

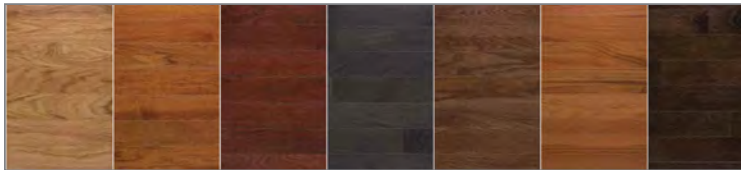
MSDS generic wood dust document is available upon request. Somerset Installation Guidelines covers:

- Delivery, storage, handling
- Site condition compliance
- Installation methods
- Trim, accessories

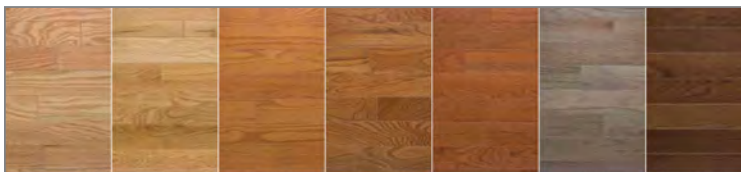
Somerset Hardwood Flooring, Inc.



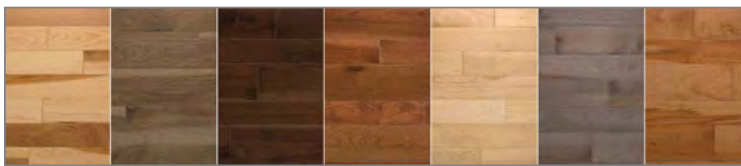
Character SolidPlus flooring swatches



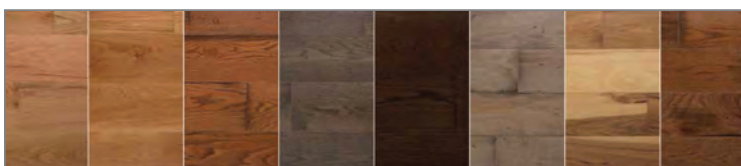
Classic SolidPlus flooring swatches



Color Plank Collection SolidPlus flooring swatches



Specialty Collection SolidPlus flooring swatches



Wide Plank SolidPlus flooring swatches

Installation guidelines are available at www.somersetfloors.com. The NWFA has installation information at www.nwfa.org.

Weather/Ambient/Ventilation Considerations

Keep flooring dry, flat and maintain good air circulation in storage. Record subfloor and flooring moisture content upon delivery and at time of installation and retain these records. Acclimate Somerset flooring to controlled site conditions; refer to NWFA Installation Guidelines, Sec. I, Ch. 2 for detailed information.

HVAC must be in operation before, during and after installation (refer to NWFA Installation Guidelines, Sec. I, Ch. 1, Part 1). A temperature of 70 degrees F ±10 degrees and a relative humidity between 30–50 percent is recommended. Heating units or uninsulated ductwork close to the flooring or subfloor may cause hot spots, which must be eliminated prior to installation.

Moisture testing is critical (refer to NWFA Installation Guidelines, Sec. I, Ch. 3). Confirm proper drainage exists around the structure. In crawl spaces, exposed earth must be fully covered with minimum six mil polyethylene sheeting. Crawl space vents must be open at all times and must equal at least 1.5 percent of the total square footage of the crawl space. Basements must be dry and remain dry.

Packaging Waste Requirements

Cardboard cartons and plastic bands are 100 percent recyclable.

Link(s) to Installation Videos

Installation videos are available from the National Wood Flooring Association (www.nwfa.org).

6. Availability and Cost

Somerset Hardwood flooring is sold nationwide through a network of wholesalers, contractors and dealers, each setting pricing appropriate to their market.

7. Warranty

Somerset Hardwood Flooring’s Limited Warranty includes lifetime structural, 50-year residential and 5-year light commercial finish wear layer warranty provisions.

8. Maintenance

Somerset’s Ultimate™ finish is an advanced UV urethane aluminum oxide finish. This combination produces a finish with exceptional wear resistance so Somerset floors stay looking like new with minimal effort.

See the Floor Care Section at www.somersetfloors.com for routine and preventive care guidelines.

Routine Care

Sweep or vacuum hardwood floors on a regular basis as with any floor covering. Clean up spills with Somerset’s Ultimate Wood Floor Cleaner, which is specially formulated for the Ultimate finish. This product should also be used for general cleaning as needed.

Repair/Refinishing

Minor surface scratches can be repaired using the Somerset Touch-Up Kit. Touch-up kits are available from the dealer, installer or directly from Somerset.

Somerset floors can be refinished. Somerset recommends the services of a qualified wood flooring professional. With proper care and basic preventative maintenance, Somerset floors look new for years without need for repairs.



9. Technical Services

Comprehensive technical support is available at 877.404.9663 or technicalservices@somersetwood.com.

10. Filing Systems

- Additional product information is available from the manufacturer upon request