



Armstrong®  
FLOORING



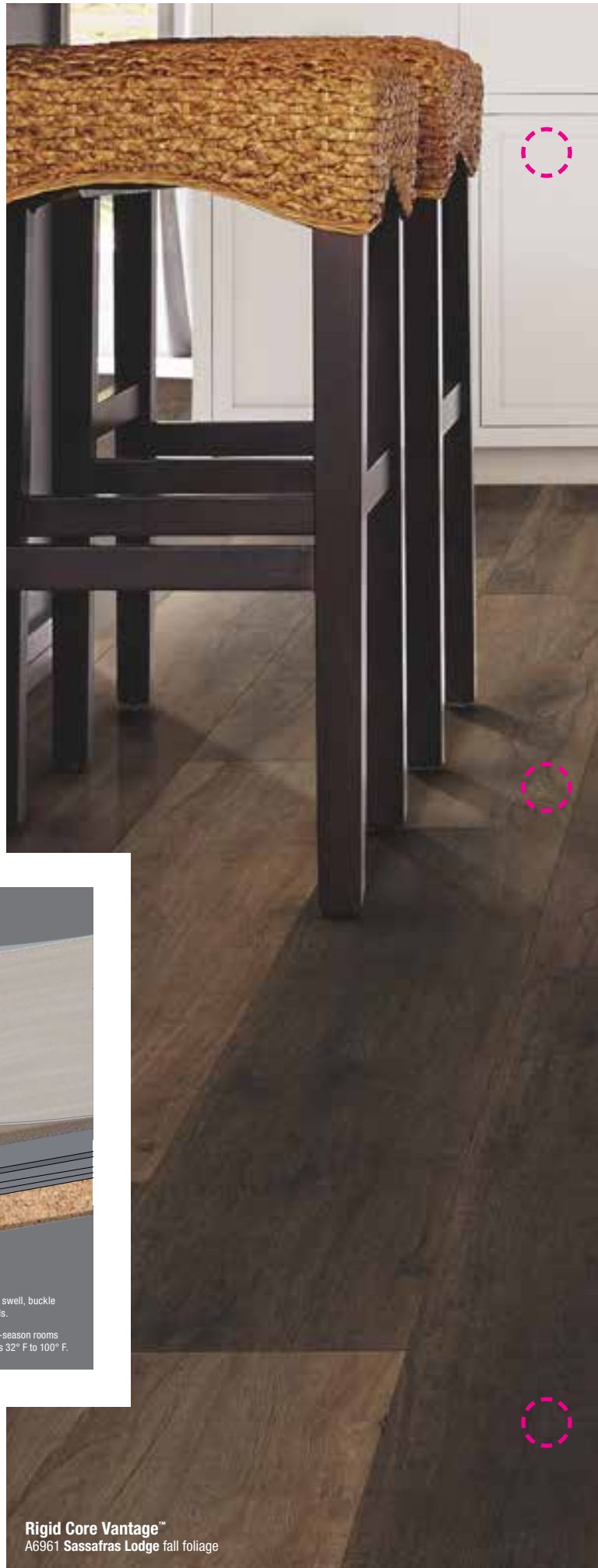
RIGID CORE FLOORING



RIGID CORE  
VANTAGE™

# Stands up to dents and scratches – and looks good doing it.

A key benefit of selecting rigid core flooring, especially Rigid Core Vantage™ that features a solid polymer core, is outstanding dent performance. While many flexible LVT products can handle scratches - resistance to dents is an important consideration to ensure that today's investment looks newer longer. Whether from moving tenants- and active families or where higher traffic is the norm like in retail spaces, where frequent mishaps like dropped objects occur - rigid core flooring will earn its keep. Of course its other great features like a 20 mil wear layer, an overall waterproof structure and premium natural cork backing will perform in both living and main street spaces alike.



Embossed-in-register texture adds realism on Rigid Core Vantage™ R

20 mil wear layer with urethane coating

Painted 4-sided bevels

Dense polymer composite waterproof\* core

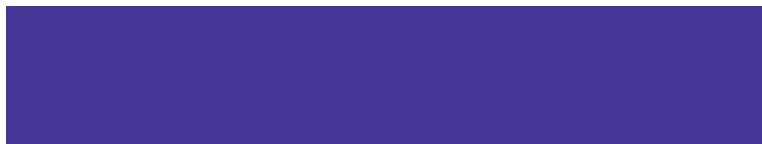
Quick & easy drop-lock

Acoustic cork backing

3-season room installation†

\*When exposed to water planks will not swell, buckle or lose integrity. See warranty for details.

†Can be installed in fully-enclosed three-season rooms where the expected temperature range is 32° F to 100° F.



**Rigid Core Vantage™ R**  
A6906 Summerfield Oak stone harbor gray

## Expect drama – from your design.

Rigid Core Vantage™ has been designed to create dramatic spaces. With registered embossing on Rigid Core Vantage™ R designs, the exacting detail of the natural wood look is brought to life. Extra-large format planks, high plank-to-plank variation, and painted bevel edges accentuate each floor design.

## Owner and Installer bliss.

Sing the praises of a quick and efficient installation. Rigid Core Vantage™ can be used to get your new space up-and-running quickly or renovations completed with little down time. Solid polymer core planks with attached cork backing help span minor subfloor irregularities that may telegraph through thinner flexible LVT or need more extensive preparation for it to be installed. Thanks to its dimensional stability, installers do not have to acclimate the product in most installations and also do not have to glue the planks down in areas with high sun exposure. Rather, installers can get to work sooner, and install faster, with the one-piece drop-lock planks. Though designed as a floating floor, Rigid Core Vantage™ can be installed with full spread adhesive in areas with that requirement.

**RIGID CORE FLOORING**

**Rigid Core Vantage™ R**



Indicates  
Coordinating  
Wall Base



**A6904 Summerfield Oak**  
sand castle



7 in. x 60 in. Planks

16

**A6905 Summerfield Oak**  
sunset glow



7 in. x 60 in. Planks

16

**A6906 Summerfield Oak**  
stone harbor gray



7 in. x 60 in. Planks

64

**A6903 Summerfield Oak**  
dockside brown



7 in. x 60 in. Planks

16

**A6910 Camargo Oak**  
silver dollar



7 in. x 60 in. Planks

71

**A6911 Camargo Oak**  
sand dollar'



7 in. x 60 in. Planks

03

**A6913 Camargo Oak**  
nickel mine



7 in. x 60 in. Planks

64

**A6912 Camargo Oak**  
penny arcade



7 in. x 60 in. Planks

16

**A6920 Woodward Winds**  
beige breeze



7 in. x 60 in. Planks

03

**A6921 Woodward Winds**  
gusty gray



7 in. x 60 in. Planks

64

**RIGID CORE FLOORING**

**Rigid Core Vantage™**



Indicates  
Coordinating  
Wall Base



**A6930 Hickory Bridge**  
salty



7 in. x 60 in. Planks

20

**A6932 Hickory Bridge**  
tenacious taupe



7 in. x 60 in. Planks

64

**A6931 Hickory Bridge**  
staying neutral



7 in. x 60 in. Planks

75

**A6950 Bonanza Springs**  
paint brush



7 in. x 60 in. Planks

20

**A6940 Clover Dale Oak**  
gray glimmer



7 in. x 60 in. Planks

03

**A6941 Clover Dale Oak**  
sunny blush



7 in. x 60 in. Planks

16

**A6960 Sassafras Lodge**  
toasted marshmallow



9 in. x 60 in. Planks

20

**A6961 Sassafras Lodge**  
fall foliage



9 in. x 60 in. Planks

16

**A6970 Fireside Tavern**  
golden ale



9 in. x 60 in. Planks

64

**A6980 Artist Loft**  
graphite



9 in. x 60 in. Planks

64



**Completing Your Specification**

Armstrong Flooring has a solution for all your commercial spaces beyond flooring — with finishing touches to complete your job — like Adhesives, Wall Base, Stair Treads, Transition Strips and Maintenance products. Go to [ArmstrongFlooring.com](http://ArmstrongFlooring.com) to view our complete line.







# Flooring Recommendations Guide

Our flooring recommendations can help you quickly identify products designed to work in specific spaces and beyond. Partner with your Armstrong Flooring Sales Representative as your trusted resource to help you with all the information you need to successfully select and install the right floor for all types of environments, spaces and buildings. Rigid Core Vantage should be installed via the glue down option in areas of heavy traffic or rolling loads.

● Recommended flooring choice(s) for the space

	Rigid Core Vantage™
<b>HEALTHCARE/HOSPITAL ENVIRONMENTS (a)</b>	
CAFETERIA, DINING AREA (c)	●
CHAPEL	●
COMMERCIAL PARKING GARAGE WALKWAY (COVERED)	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
CRITICAL/INTENSIVE CARE	
DATA WAREHOUSING	
DIALYSIS (d)	●
DRY PHYSICAL THERAPY	●
ELEVATOR	
EMERGENCY ROOM	
EXAM/PROCEDURE ROOM	●
GIFT SHOP	●
HYDRO PHYSICAL THERAPY	2
HYPERBARIC ROOM	3
LABOR DELIVERY ROOM	
LABORATORY	
LAVATORY	
LOBBY	●
NURSE'S STATION	●
OFFICE/ADMIN/CONFERENCE ROOM	●
OPERATING ROOM (b)	1
PATIENT ROOM	
PHARMACY	●
RAMP/RAMPED CORRIDOR (DRY)	2
SCRUB AREA	1
STAIRWAY/LANDING	●
STAFF LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE/FILING ROOM	●
WAITING ROOM	●
<b>HEALTHCARE/ASSISTED LIVING</b>	
ACTIVITY ROOM/Common Area	●
BEAUTY SALON/BARBER SHOP	●
CORRIDOR	●
MAIN DINING AREAS (c)	●
DOCTOR/DENTIST OFFICE	●
LOBBY	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM	●

	Rigid Core Vantage™
<b>EDUCATIONAL ENVIRONMENTS</b>	
AUDITORIUM	●
CAFETERIA, DINING AREA (c)	●
CLASSROOM/LECTURE HALL	●
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
DORMITORY ROOM	●
ELEVATOR	
ENTRYWAY/FOYER (d)	
FOOD SERVICE AREA (c)	
GYMNASIUM	
LABORATORY	●
LAVATORY	
LIBRARY	●
LOCKER ROOM (NO SPIKES)	2
MULTIPURPOSE/CAFETERIUM	●
OFFICE/ADMINISTRATIVE/CONFERENCE ROOM	●
RAMP/RAMPED CORRIDOR (DRY)	2
STAIRWAY/LANDING	●
TEACHER'S LOUNGE	●
TELECOM CENTER	
UTILITY/STORAGE AREA	●
<b>RETAIL/STORE ENVIRONMENTS</b>	
AUTOMOBILE SHOWROOM	●
CHECKOUT/CASH WRAP	●
COMPUTER REPAIR AREA	
ENTRYWAY/FOYER (d)	
FAST FOOD COUNTER (FRONT)	●
FLORAL AREA/GARDEN CENTER	●
FOOD SERVICE (c)	●
FROZEN FOOD	●
INDOOR MALL COMMON AREA	●
LAUNDROMAT	●
PET SHOP	●
PHOTO PROCESSING	●
PRODUCE AREA	●
SALES FLOOR – DEPARTMENT STORE	●
SALES FLOOR – GROCERY	●
SALES FLOOR – MASS MERCHANT	●

	Rigid Core Vantage™
<b>CORPORATE ENVIRONMENTS</b>	
CAFETERIA/DINING AREA (c)	●
COMMERCIAL PARKING/GARAGE WALKWAY (COVERED)	
COMPUTER REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
CORRIDOR	●
DATA WAREHOUSING	
ELEVATOR	
ENTRYWAY/FOYER (d)	
LAVATORY	
LOBBY	●
LUNCHROOM (c)	●
OFFICE/ADMINISTRATION/CONFERENCE ROOM	●
STAIRWAY/LANDING	●
TELECOM CENTER	
UTILITY/STORAGE ROOM	●
<b>HOSPITALITY ENVIRONMENTS</b>	
COMMERCIAL PARKING GARAGE/WALKWAY (COVERED)	
CORRIDOR	●
DANCE FLOOR	●
DINING AREA (c)	●
ELEVATOR	
ENTRYWAY/FOYER (d)	
EXERCISE ROOM	●
GUEST BATHROOM (d)	●
GUEST ROOM	●
LOBBY	●
LOUNGE	●
STAIRWAY/LANDING	●
VENDING AREA (d)	●

ADDITION TO SPACES LISTED ON THESE CHARTS: Commercial Products from Armstrong Flooring may be used on stairsteps, risers and landings. A manufactured slip-retardant nosing should always be applied on steps. Most commercial sheet floors can be flash covered (integral cove). Most building codes consider flash coving in the same category as baseboard trim with respect to fire rating. Consult applicable codes for the particular project to determine the interpretation of allowable height for flash cove; commercial products from Armstrong Flooring are not recommended for exterior use, for interior spaces where pointed spike golf or track shoes will be used, or in areas where the floor will be subjected to unusually concentrated static or dynamic loads; commercial products from Armstrong Flooring should not be used as wall covering or wall surfacing.

NOTES: Numerical footnotes (1, 2, 3, etc.) apply to the space requirements; Alpha footnotes (a, b, c, etc.) apply to the product's suitability for the space. The numerical and alpha footnotes are consistent across all Recommended Applications Charts. Depending upon the category, product and space requirements, some footnotes may not appear.



## Resistance to Staining Reagents

We extensively test all of our products in order to determine how our different flooring products will perform in use—and in particular, how the flooring will react to staining reagents. Owners and specifiers know the types of substances that may potentially stain surfaces in their building. This chart is designed to provide owners and specifiers with accurate information about a wide variety of cleaners, disinfectants, foods, beverages, oils, organic solvents, and other substances that may be found in buildings and affect the performance of the floor.

● Recommended flooring choice(s) for the space

	Rigid Core Vantage™
<b>LIGHT-INDUSTRIAL ENVIRONMENTS (e)</b>	
CLEAN ROOM	
COMPUTER LAB REPAIR AREA	
COMPUTER TRAINING ROOM (3)	●
DATA WAREHOUSING	
ELECTRONIC TESTING LAB	
ELECTRONICS MANUFACTURING	
ENVIRONMENTAL CONDITIONING LAB (g)	
OFFICE/CONFERENCE ROOM	●
PHOTO PROCESSING	●
PRODUCTION LABORATORY	
RESEARCH LABORATORY	
SMALL PARTS ASSEMBLY	
STERILE PACKAGING	
TELECOM CENTER	
<b>MILITARY HOUSING, LIGHT COMMERCIAL ENVIRONMENTS</b>	
ACTIVITY ROOM/Common Area	●
BEAUTY SALON/Barber Shop	●
CORRIDOR	●
DAYCARE AREA	●
DINING AREA (c)	●
DOCTOR/DENTIST OFFICE	●
RESIDENCE BATHROOM (d)	●
RESIDENCE KITCHEN	●
RESIDENCE ROOM/BARRACK	●
<b>PUBLIC ENVIRONMENTS</b>	
OFFICE/RETAIL(AIRPORT/RAILWAY/ BUS TERMINAL)	●
OFFICE/MEETING ROOMS (CIVIC/ CONVENTION CENTER)	●
MUSEUM/CULTURAL CENTER	●

- (a) In most cases veterinary applications are similar  
 (b) Only operating rooms not requiring conductive flooring  
 (c) Commercial products from Armstrong Flooring are not recommended for commercial kitchens and commercial food processing areas, including behind fast-food counters  
 (d) No standing water, walk-off mats required  
 (e) Most commercial products from Armstrong Flooring are not recommended for heavy industrial areas  
 (f) Not recommended in laboratories that require special decontamination procedures on surfaces, including floors  
 (g) Only homogeneous products are recommended in low-temperature environmental conditioning units NOT below 34° F (10° C)
- (1) Aseptic Area—Hygienic conditions are of critical importance  
 (2) Slip Retardant—A more secure walking surface is required for commercial spaces including daycare, beauty salons, and hotel/motel bathrooms  
 (3) Not recommended in areas that require electrostatic discharge control

### ORGANIC SOLVENTS

Acetone	0
Chloroform	1
Ethyl Acetate	0
Ethyl (Denatured) Alcohol	0
Ethyl Ether	0
Ethylene Glycol (Antifreeze)	0
Formaldehyde, 10%	0
Gasoline	0
Isopropyl Alcohol	0
Kerosene	0
Methyl ethyl ketone (M.E.K.)	0
Mineral Spirits	0
Toluene	0
Trichloroethylene	0
Turpentine	1
Xylene	2

### ALKALI (BASES)

Ammonium Hydroxide, 30%	0
Potassium Hydroxide, 15%	2,D
Sodium Hydroxide, 50%	2,D

### ACIDS

Acetic Acid, 28%	0
Acetic Acid, Glacial	0
Hydrochloric Acid, 38%	0
Lactic Acid, 10%	0
Nitric Acid, 15%	0
Phosphoric Acid, 85%	0
Sulfuric Acid, 40%	0
Sulfuric Acid, 10%	0

### SALT SOLUTIONS

Calcium Chloride, Sat'd	0
Copper Sulfate, 10%	0
Ferric Chloride, 10%	0
Silver Nitrate, 1%	0

### MEDICAL STAINS & REAGENTS

Aniline Blue, 2.5%	0
Auramine Rhodamine	2
Basic Fuchsin	1
Betadine® Skin Cleanser	0
Betadine® Solution, 10%	0
Bromocresol Green	0
Carbol Fuchsin	1
Eosin, 1%	0
Gentian Violet, 2%	3
Glutaraldehyde	0
Iodine Tincture	3
Iodine Gram Stain	2
Iodoform, 1%	0
Lugol's Solution	3
Merthiolate Tincture	0
Methylene Blue	1
Picric Acid, 1%	1
Potassium Permanganate, 0.5%	1
Tincture of Benzoin	1
Urea Solution	0
Wright's Blood Stain	2

### DISINFECTANTS AND CLEANERS

Ethyl Alcohol-Based Hand Sanitizer, 70%	0
Clorox®	0
Comet® Bathroom Cleaner	0
Hydrogen Peroxide	0
Lysol® Liquid Disinfectant	0

### FOOD SERVICE

Catsup	0
Coffee, Hot Black	0
Cola Drink	0
French Dressing	0
Mustard	1
Red Food Color	2
Red Wine	0
Soy Sauce	0
Spaghetti Sauce	0
Tea, Hot Black	0
Tomato Paste	0

### OFFICE

Ball Pen Ink	3
Carbon Paper Smudge	2
Fountain Pen Ink	0
Lead Pencil	1
Permanent Black Marker	3
Red Crayon	0
Red Tempura Paint	0

### OILS

Beef Tallow, Hot	0
Canola Oil	0
Cottonseed Oil	0
Brake Fluid	0
Dextron Transmission Fluid	0
Mineral Oil	0
Olive Oil	0
SAE #10 Oil	0
30 wt. Non-Detergent Oil	0
Used Motor Oil	0

### MISCELLANEOUS

Asphalt Driveway Sealer	0
Blue Chalk	0
Black Rit Dye	0
Eye Shadow	0
Hair Color	2
Lipstick	0
Perfume	0
Red Candle Wax	0
Red Nail Polish	1
Shoe Polish, Liquid Brown	0
Shoe Polish, Paste Brown	1,R

Samples were tested as manufactured (no additional surface treatments). All samples were exposed to reagents for four hours (uncovered), then cleaned with a neutral commercial cleaner and cotton cloth. A key for interpreting results is found above. It is important to note that in some cases residual stain, residues and surface dulling may be further reduced or eliminated with different or more aggressive cleaning procedures and/or cleaning agents than the common method used for this multi-product comparison. For further details on appropriate cleaning methods and care for specific products, please consult the care and maintenance guidelines for the specific product at [ArmstrongFlooring.com/commercial](http://ArmstrongFlooring.com/commercial)

0: No Stain; 1: Slight; 2: Moderate; 3: Severe;  
 B: Bleaching; D: Dulling; S: Softening;  
 R: Reagent left a residue



## National Average Installed Cost

Prices are approximations only. Actual prices will vary based on job conditions and local labor cost. Estimated prices include material and labor figured on a 500 sq. ft. (46.45 m<sup>2</sup>) open area installation without any specific cuttings or special subfloor preparation.

	Rigid Core Vantage™
<b>THICKNESS</b>	0.236 in. (6.0 mm)
<b>US DOLLARS</b>	\$4.50 – \$5.50
<b>CANADIAN DOLLARS</b>	\$5.00 – \$6.50

## Light Reflectivity - Why Is It Important

All light reflectivity values listed are based on a percentage system, the higher the percentage (eg. 20-24, 35-39), the higher the light reflectance of the floor. Research indicates reflectance can help capture daylight and reduce reliance on artificial lighting, resulting in reduced electricity usage and costs. Glare from flooring is a characteristic of glossy finishes, not reflectance. Flooring in lighter colors with a matte finish have high reflectance values, but do not add to glare.

LEED EA Lighting Quality Credit offers project team credits for selecting flooring with light reflectivity values > 25%.

	Rigid Core Vantage™
<b>0-9</b>	A6903, A6961
<b>10-14</b>	A6905, A6912, A6931, A6970
<b>15-19</b>	A6906, A6920, A6921, A6980
<b>20-24</b>	A6904, A6932, A6941
<b>25-29</b>	A6913
<b>30-34</b>	A6911, A6940, A6950
<b>35-39</b>	A6910
<b>40-44</b>	–
<b>45-49</b>	A6930, A6960
<b>50-54</b>	–
<b>55-59</b>	–
<b>60-64</b>	–
<b>65-69</b>	–
<b>70-74</b>	–





## Adhesives and Installation

Our adhesives and installation options, backed by the Armstrong Flooring Guaranteed Installation System, help create a flooring package that gives you a great warranty, backed by the most trusted, reliable name in flooring. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete installation guidelines.



### S-288 Flooring Adhesive

**Premium:** 95% RH for LVT, 90% RH for Sheet,  
8lbs. MVER for LVT  
5lbs. MVER for sheet

- Creates a strong permanent bond to your floor
- Easy to trowel

**Open time:** 10–20 minutes over porous,  
30+ minutes over non-porous  
Adhesive must be dry to touch

**Working time:** up to 60 minutes  
**Spread rate:** 250–300 sq. ft./gal.  
Trowel: fine notch

**Options:** 1 quart, 1 gallon, 4 gallon

ADHESIVE OPTIONS (Depends on Substrate) Wood, Concrete, Ceramic, Terrazzo, Marble, Metal, Existing Resilient Floor	Seams	MOISTURE LIMITS		pH Readings
		MVER Calcium Chloride Test (lbs./1000 sq. ft./24 hrs.)	Relative Humidity In-Situ Probe	
S-288 Flooring Adhesive	–	8 when using S-288	95% – S-288	5-9 for S-288

## Floor Care is Important - Maintenance Options

Our maintenance guidelines can help you protect and improve the appearance of the floor, reducing the effects of wear and abrasion and preserving a fresh look for years. Visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com) for complete maintenance recommendations.



### S-485 Commercial Floor Cleaner

- Neutral floor cleaner at normal dilution, 8.5 pH
- High efficiency allows dilution to be as low as 64:1
- Low-foaming formula is great for automatic floor machines, damp-mopping, and/or moderate to heavy scrubbing
- Won't strip polish
- Pleasant fragrance
- Contains no phosphates

**Spread Rate:** Cleaners and strippers do not have a spread rate, dilute according to instructions for proper pH level

**Options:** 1 gallon (4 gal./ctn.), 5 gallon



### S-495 Commercial Floor Sealer

- Stain-resistant sealer for porous or well-worn floor surfaces
- Provides an excellent base for S-480 or other commercial floor polishes
- High durability for long-lasting protection
- Water-based acrylic emulsion, 7.8 pH
- 16% solids for easy application and excellent leveling
- Semi-permanent for resistance to conventional polish stripping

**Spread Rate:** 1500-2000 sq. ft. per gallon per coat

**Options:** 1 gallon (4 gal./ctn.), 5 gallon



### S-480 Commercial Floor Polish

- Meets the ASTM D2047 standard for slip-resistance on dry floors
- High durability for long-lasting protection
- Dries bright for areas where buffing is not applicable or desired
- Metal cross-linked acrylic copolymer emulsion polish, 8.5-8.75 pH
- 18% solids for easy application and excellent leveling

**Spread Rate:** 1500-2000 sq. ft. gallon per coat depending on the surface characteristics of the floor

**Application:** Excellent buffing response for spray-buffing repairs or high-speed burnishing programs (up to 2,000 rpm)

**Options:** 1 gallon (4 gal./ctn.), 5 gallon

### MAINTENANCE OPTIONS

Low Maintenance/No-Polish Option		Traditional	
Spray Buff	Dry Buff	No Buff	Polish
✓		✓	✓

### ARMSTRONG FLOOR CARE PRODUCTS

Cleaners	Sealers	Polish
S-485	S-495	S-480



## Warranty - Let the Buyer Have Faith

Armstrong Flooring for commercial applications is put through extensive testing to ensure all of our products do what we say they will do. Our floors meet or exceed ASTM International Standards and are tested to any number of 100 plus floor-related tests, many of which are proprietary to Armstrong Flooring.

### Products

Armstrong Flooring warrants its regular (first quality) commercial floor products to be free from manufacturing defects from the date of purchase through the limited warranty period (see applicable products and years).

### Installation

Armstrong Flooring warrants the installation integrity for products from the date of purchase through the limited warranty period (see applicable products and years) if installed according to the then-current Armstrong Flooring Guaranteed Installation Systems manual (F-5061 available at [ArmstrongFlooring.com/installationmanual](http://ArmstrongFlooring.com/installationmanual) and at [floorexpert.com](http://floorexpert.com)).

### Workmanship

Armstrong Flooring does not warrant the installers' workmanship. Workmanship errors should be addressed to the contractor who installed the floor. Your commercial product from Armstrong Flooring should be professionally installed by contractors who have demonstrated expertise in installing commercial floors.

### Terms

**Within One Year:** If a defect covered by this limited warranty is reported to Armstrong Flooring in writing within one year of purchase, Armstrong Flooring will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong Flooring will also pay reasonable labor costs.

**Within Two Years:** If a defect covered by this limited warranty is reported to Armstrong Flooring in writing after one year but within two years of purchase, Armstrong Flooring will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong Flooring will also pay fifty percent of the reasonable labor costs.

**After Two Years:** If a defect covered by this limited warranty is reported to Armstrong Flooring in writing after two years but within the limited warranty period (see applicable products and years), Armstrong Flooring will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong Flooring will not pay labor costs.

Armstrong Flooring will not pay labor costs to repair or replace material with defects that were apparent before or at the time of installation.

### Exclusions

The following are not covered by this limited warranty: improper installation; differences in color between products and samples or photographs; indentation from failure to use floor protectors; indentation from high heels or spiked shoes; indentation from improper loading of rolling loads, chairs, or other furniture; discoloration; failure of the floor to adhere to the subfloor due to, but not limited to, moisture, alkaline, or hydrostatic pressure from the subfloor; inappropriate end-user activities. Refer to the Armstrong Flooring Guaranteed Installation Systems manual (F-5061) at [ArmstrongFlooring.com/installationmanual](http://ArmstrongFlooring.com/installationmanual) and at [floorexpert.com](http://floorexpert.com) for proper installation, care, and maintenance information for your floor.

THERE ARE NO WARRANTIES BEYOND THIS EXPRESSED LIMITED WARRANTY. ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. ARMSTRONG FLOORING EXCLUDES ANY LIABILITY FOR LOST PROFITS OR ANY OTHER INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES. THE REMEDIES CONTAINED HEREIN ARE THE ONLY REMEDIES AVAILABLE FOR BREACH OF THIS LIMITED WARRANTY.

NOTE: Some jurisdictions do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights and you may also have other rights which vary from state to state.

### Warranty Owner

This limited warranty extends only to the original end-user.

YEARS	PRODUCTS
15 YEARS	RIGID CORE   Rigid Core Vantage™

## RIGID CORE FLOORING

# RIGID CORE VANTAGE™

### Material

Rigid Core Vantage™ features expansive and expressive designs that command attention with stand-out features like registered embossing, extra-large format planks and accentuated painted bevels. The rigid core flooring structure includes a solid polymer core providing outstanding dent resistance, a 20 mil wear layer for scratch and stain protection, premium natural cork backing and an overall waterproof structure. Installation is efficient with a drop-lock and thanks to its dimensional stability additional benefits for installers include not having to acclimate the product in most installations and not having to glue the planks down in sunny areas. The style and performance of Rigid Core Vantage™ make it suitable for multi-family dwellings, condominiums and assisted living facilities, as well as hospitality, retail spaces, corporate environments and front of the house restaurant areas.

### Nominal Size

Rigid Core Vantage™ R - 7 in. x 60 in.  
Rigid Core Vantage™ - 7 in. x 60 in. or 9 in. x 60 in.

### Gauge (nominal thickness)

6.0 mm (0.236 in.) overall

### Wear Layer (nominal)

20 mil (0.5 mm)

### Limitations

Consult the Flooring Recommendations Guide to successfully select and install the right floor for all types of environments, spaces and buildings.

### Suitable for Application Over

- Concrete – dry and smooth on all grade levels.
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.72 cm) well-ventilated crawl space below.
- Suspended hardwood flooring that is fully adhered, smooth and square edge without texture.
- Single-layer, fully-adhered, existing resilient floors – must not be foam-backed or cushionbacked.
- Ceramic tile, Terrazzo, Marble.
- Polymeric Poured (seamless) Floors.
- OSB-3/4".
- Particleboard 40lb. density or wafer board.

### Unsuitable for Application Over\*

- Existing resilient tile floors that are below grade.
- Existing cushion-backed vinyl flooring.
- Carpet.
- Hardwood flooring that has been installed directly over concrete.
- In rooms with sloping floors or floor drains.

\*This does not necessarily indicate everything that you cannot install over.

### TECHNICAL DATA

#### Shipping Weight

7 in. x 60 in. 34.26 lbs/ctn (15.54 kg);  
6 pieces/ctn; 17.5 sq. ft./ctn (1.62 m<sup>2</sup>)

9 in. x 60 in. 43.35 lbs/ctn (19.66 kg);  
6 pieces/ctn; 22.1 sq. ft./ctn (2.05 m<sup>2</sup>)

#### Gloss (typical value)

60 degrees specular: approximately 3-5

#### International Specifications

ASTM F 3261, Class I, Type B, Grade 1, Backing Class B

### Static Load Limit

1450 lbs./sq. in. (102 kg/cm<sup>2</sup>)

ASTM F 970 (2)

NOTE: Floors should be protected from sharp-point loads and heavy static loads. High-heeled traffic [1000 psi (70.3 kg/cm<sup>2</sup>) or more] may visibly damage wood, resilient and other floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong Flooring.

### Acoustical Performance

Sound Transmission Class (STC) when tested over 6" concrete per

ASTM E90 – 50 without ceiling; 62 with ceiling

Delta Impact Insulation Class (IIC) per ASTM E2179 – 21

### Fire Test Data

ASTM E 648 Flooring Radiant Panel Critical Radiant Flux –

0.45 watts/cm<sup>2</sup> or more, Class I

CAN/ULC S102.2

### Flame Spread Rating – 15

### Smoke Developed Classification – 215

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for the use in the selection of products to meet the specified limits.

## INSTALLATION

### Job Conditions

All substrates must be properly prepared and meet certain requirements. There may be other exceptions and special conditions for these substrates to be suitable for the floating installation system. For additional information relative to installation and subfloor preparation please refer to the Subfloors and Underlayments section of the Armstrong Flooring Guaranteed Installation System manual, F-5061, or the Subfloors and Underlayments subsection of the Resilient section on [www.floorexpert.com](http://www.floorexpert.com).

The area to receive resilient flooring materials and adhesives should be maintained between 65°F (18°C) and 85°F (29°C) for 48 hours before installation, during installation, and 48 hours after completion. Maintain temperatures between 32°F (13°C) and 100°F (29°C) thereafter. All substrates must be structurally sound, dry, clean, flat, and smooth with minimal deflection. Substrates must be free from excessive moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents, other foreign matter and contaminants. High spots on the substrate should be leveled and low areas filled with appropriate underlayments. For renovation or remodel work, remove any existing adhesive residue so that 100% of the overall area of the original substrate is exposed. Radiant heated substrates must not exceed a maximum surface temperature of 85°F (29°C).

### Procedure: Glue Down Option

Apply Armstrong Flooring S-288 adhesive to ½ of the area at a time so that you can start the installation along the center starting line. Begin laying planks along the center starting line and install row by row including the cut pieces at the perimeter until ½ of the installation is complete. Stagger the end joints by at least 6 inches (15.2 cm). Apply adhesive to the remaining portion of the room, allow the adhesive to dry to touch and complete the installation of planks in similar fashion.

Dry to Touch – Approximately 30 minutes  
(tacky to touch with no transfer to fingers).

Use S-891 Fine Notch Trowel  
(1/32" (0.8 mm deep, 1/16" (1.6 mm) wide and 5/64" (2 mm) apart.)

After the planks are installed, immediately roll the entire floor with a 100 lb. roller. Use a hand roller in confined areas where the large floor roller will not reach, such as under toe kicks. The planks may be walked on immediately; however, the floor should not be exposed to heavy rolling load traffic for 72 hours after the installation. Use pieces of hardboard or underlayment panels to protect the floor

### Procedure: Floating Option

Rigid Core Vantage should be installed via the glue down option in areas of heavy traffic or rolling loads. The subfloor must be thoroughly free from dust and debris. If the subfloor is dusty this may affect the product performance. Stagger end joints by 6". Cut pieces at the ends of rows should be 8" long or longer. Position the first plank so that grooved edge is facing you. Install the product from left to right in the room. Occasionally, it may be necessary to install backwards. This may be done by sliding the grooves under the tongues and working them right to left, but this is more difficult.

When installing the first row, inspect each piece prior to installation for damaged planks. To minimize pattern repeats, always pull from at least 3 cartons while installing. Lay first row of boards with tongue side facing the wall. If the starting wall is crooked, trace the contour of the wall on the first row of planks and trim as needed. Use spacers along all sides that butt up against walls to maintain ¼" (6.35 mm) to ½" (12.7 mm) expansion zone. Where the room is larger than 40' (12.19 m) but less than 80' (24.38 m) in plank length or wider than 26' (7.92 m) but less than 52' (15.85 m) in plank width, a minimum ½" (12.7 mm) expansion zone is required around the perimeter of the room as well as against any fixed objects. Lay pieces from left to right. Lock the end joints by aligning the end tongue with the end groove of the previous board then tapping the joints together. When measuring the last piece in the row, subtract ¼" (6.35 mm) from the end of the board to maintain expansion zone. Cut decorative side up if using a hand saw or decorative side down if using a power saw to minimize chipping. A utility knife may also be used. If the cut-off piece from the first row is 8" (20.32 mm) or longer, use it to start the second row. If it is less than 8" (20.32 mm), cut a full board in half and use that. When installing the remaining rows, continue laying planks, one row at a time and staggering the end joints. Install the long end of the first board in the second row at an angle to the board in the first row. Press flat to subfloor to lock into place. Angle the long end of the next board in the second row to lock into the first row while positioning the short end of the boards over the groove from the previous board. Lock and fold tap into place. Follow the order described above to continue laying the boards in the second and additional rows. Use of a rubber mallet may be necessary to tighten joints. Continue installing planks. Maintain a random appearance by offsetting the end joints by at least 6 inches. Always be certain that the planks are fully engaged. If slight gapping is noticed, place a cut piece of flooring (bridge piece) in the side groove that spans the ends of two adjacent planks within a row. Then tap the side of the plank with a tapping block. When fitting in areas such as door casings it may be necessary to use a flat pull bar to engage the lock. Continue installing the remaining rows in similar fashion. For planks, maintain the 6" minimum staggered end joints between rows and for planks maintain the ¼" gap at perimeter and vertical surfaces.

## MAINTENANCE

Rigid Core Vantage is designed to be maintained with a No Polish/No Buff maintenance system or by traditional resilient flooring maintenance methods, which include the use of polishes, spray-buffing techniques and appropriate maintenance systems.

- Sweep, dust mop or vacuum the floor thoroughly to remove all loose dust, dirt, grit and debris.
- Remove any dried adhesive residue with a clean, white cloth dampened with mineral spirits, carefully following warnings on the container.

### Preparation for Commercial Use

For specific, ongoing maintenance procedures and options visit [ArmstrongFlooring.com](http://ArmstrongFlooring.com)

## LIMITED WARRANTY

Armstrong Flooring warrants its regular (first quality) commercial floors to be free from manufacturing defects and warrants the installation integrity for 15 years from the date of purchase, if installed according to the installation and maintenance instructions at [floorexpert.com](http://floorexpert.com). This limited warranty extends only to the original end-user. See Armstrong Flooring Commercial Floor Limited Warranty at [floorexpert.com](http://floorexpert.com) for warranty details, limitations and exclusions.