

Armstrong®

Your ideas become reality®

No-GLUE VINYL SHEET

Installation, Care and Maintenance

Vinyl Sheet

No-Glue
VINYL SHEET



NA-3604-412

Resilient • Laminate • Linoleum
Hardwood • Ceilings • Ceramic

Why No-Glue Vinyl Sheet?

Armstrong® No-Glue Vinyl Sheet flooring combines stylish design with simple installation. Simply loose lay your fitted floor; adhere at seams, doorways, and under appliances with Acrylic Double-face Tape and enjoy!

- Easy to install - no glue needed
- Superior underfoot comfort
- Light commercial warranty available on Avantra 2 & Avantra. Full glue application required. See NA-2003 Resilient Sheet Flooring Installation Guide.

Installation Materials

Tools:

- Straight-blade utility knife
- Screwdriver or putty knife
- Medium grit sandpaper
- Hammer
- Carpenter's saw
- Tape measure
- Metal straightedge
- Smooth edge trowel
- Sanding block
- Masking tape
- Soft bristled push broom

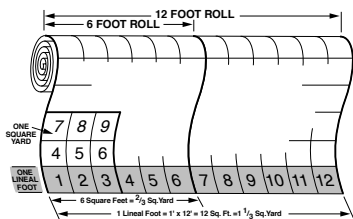
Materials:

- S-184 Patch & Skim Coat
- S-199 Embossing Leveler
- Acrylic Double-Face Tape
- S-564 Seam Coating Kit low gloss
- Armstrong Guaranteed Installation Kit
- New Beginning® Resilient Deep Cleaning Floor Stripper
- Once 'n Done® Resilient & Ceramic Floor Cleaner

Estimating

How much do you need?

No-Glue Vinyl Sheet is sold in 12' widths. Select your width, locate your room length, and determine how much vinyl sheet flooring you need.



How flooring is measured

What is a Square Yard (Sq. Yd.) or Lineal Foot (Lin. Ft.)?

1 Square Yard =

7	8	9
4	5	6
1	2	3

 = 9 Square Feet

1 Lineal Foot =

1	2	3	4	5	6	7	8	9	10	11	12
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 = 12 Square Feet

Floor Care Recommendations



Floor Protectors

- Floor protectors evenly distribute furniture weight and help prevent indentations from forming on your vinyl floor.



New Beginning® Resilient Deep Cleaning Floor Stripper

- For all vinyl floors
- Solves tough cleaning problems



Once 'n Done® Resilient & Ceramic Floor Cleaner

- No-rinse floor cleaner for no-wax vinyl, ceramic, and stone floors



Seam Coating Kit

- Protects seams from dirt and wear.
- Use S-564 Seam Coating Kit for semi gloss or low gloss floors.

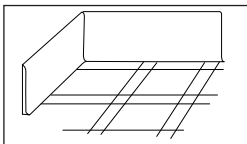


Shinekeeper® Floor Finish

- For all Resilient High Gloss vinyl floors
- Restores shine to older floors

Finishing Tip:

- Finish your flooring project with baseboard molding or wall base that's been designed to match your floor. Choose between dry back or self-adhering and high gloss or satin finish.



Preinstallation care & materials estimating

Step 1.

- When transporting or storing floor prior to installation, do not kink or distort.
- **Always roll flooring face out until ready to install.**
- Just prior to installation, lay flooring out flat to acclimate to conditions.
- Flooring and room temperature should be a minimum of 65° F (18° C) for 48 hours preinstallation, during installation, and 48 hours after installation. Minimum 55° F (13° C) thereafter.
- Plan layout for minimum number of seams.
- Accurately measure length and width of room. Include recessed areas/doorways.
- Allow an extra 1-1/2" of flooring on each end for trimming.
- If more than one piece of flooring is needed, allow for correct pattern match at seam.

Prepare subfloor

Step 2. Inspect and prepare subfloor. Subfloor must be clean, dry, and smooth. A subfloor is the surface over which your new Armstrong sheet flooring is installed.

NOTE: Do not install over particleboard, waferboard or single-layer STURD-I-FLOOR® panels, existing resilient tile floors that are on or below grade, existing cushioned-vinyl flooring, carpet, strip wood or plank flooring.

IF INSTALLING OVER...

VINYL FLOORING

Only single layer

Must be noncushioned-backed and firmly bonded. Check for loose vinyl, gapped seams, cuts, tears, rips, or other damage.

PREPARE

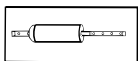


Utility knife to remove loose vinyl

Use New Beginning® Resilient Deep Cleaning Floor Stripper to remove dirt and wax buildup



S-199 One Part Embossing Leveler; fills and levels embossing on your old vinyl flooring



Use smooth edge trowel for applying S-199



Use medium grit sandpaper and sanding block for smoothing rough areas of the Embossing Leveler

PLYWOOD

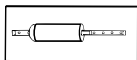
If installing a new plywood subfloor, use APA Underlayment Grade. For new or existing plywood subfloors, check for loose panels, gapped joints, knots, nail holes, or other damage.



PREPARE



S-184 Patch & Skim Coat, for patching or filling uneven areas or areas that are not smooth



Use smooth edge trowel for applying S-184



Use medium grit sandpaper and sanding block for smoothing rough areas of the underlayment

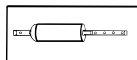
CONCRETE/CERAMIC

Must be clean, dry, and dust-free. Check for cracks, scaling, levelness, and other damage. If installing over ceramic tile, terrazzo, or marble, ensure that the tiles are firmly bonded.

PREPARE



S-184 Patch & Skim Coat, for patching or filling uneven areas or areas that are not smooth



Use smooth edge trowel for applying S-184



Use medium grit sandpaper and sanding block for smoothing rough areas of the underlayment

Room preparation and procedure

Step 3.

- No-Glue Vinyl Sheet is designed for modified loose lay installation using Acrylic Double-face Tape.
- The tape must be used under seams where needed, at doorways and other selected areas with heavy movable appliances. **Do not use the tape around the entire perimeter of the room.**

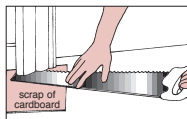
NOTE: No-Glue Vinyl Sheet's unique structure allows the product to be installed by the simplified modified loose lay with tape method. It will span minor subfloor irregularities and tends to hide seasonal changes that can sometimes occur and become visible at underlayment joints. Depending on the wood subfloor/underlayment construction and the degree of moisture condition changes in the home environment, No-Glue Vinyl Sheet can, under severe

moisture changes, show a slightly raised area or buckle near a perimeter pinch point. Typically, if this happens, it will occur during prolonged periods of cold weather when indoor conditions become very dry and the wood subfloor/underlayment components dry out and shrink.

Should this happen and a buckle occurs, the flooring should be gently lifted or pulled back from the pinch point and retrimmed. If the flooring shows fullness at a doorway or other area where tape has been applied, gently lift from the tape and push out the fullness and rebond. Use a fresh section of tape if necessary. Wherever practical, the No-Glue Vinyl Sheet flooring should be allowed to float freely over wood subfloors as the wood can grow and shrink with changes in temperature and humidity. The following guidelines will help to minimize the effects of seasonal movement when installing over wood subfloors:

- The flooring **must** be cut 3/16" to 1/4" away from all vertical surfaces such as walls, cabinets, pipes, etc., to allow an expansion zone for seasonal movement. (This gap will be covered with moldings or wall base.)
- Door trim, where the expansion zone cannot be covered with wall base, must be undercut to allow for free movement of the flooring underneath.
- Moldings and wall base covering the expansion zone must be raised slightly to allow for free movement of the flooring. The wall base should be nailed into the wall surface, not the floor surface.
- At doorways where new flooring meets another floor surface, use a trim molding that covers the edge of the floor. This is the preferred method of installation.
- Plan the layout for a minimum number of seams.
- Do not install over particleboard subfloors.
- Always keep the flooring rolled face-out until ready to install.

NOTE: Installation on stairs is not recommended. Installations in bathrooms are acceptable; however, the Acrylic Double-face Tape should be used where the flooring butts up against tubs, shower stalls or toilets. To prevent water seepage and damage to the subfloor, silicone caulk must be used to seal the edges of the flooring at these fixtures. Leave a smaller gap of approximately 1/16" to 1/8" between the floor and these bathroom fixtures. Fill the gap with a neat bead of caulk at the floor/fixture juncture using a high quality, nonshrinking, pigmented caulk of appropriate color:



Undercut decorative trim and jamb moldings at doorways.

Make a pattern

Step 4.

- Your No-Glue Vinyl Sheet flooring should be unrolled and allowed to lay flat in a separate room or area with similar conditions as the installation area.
- Do not lay it out over carpet or other soft surface. The subfloor should be solid to prevent distorting the flooring while working or walking on top of it.

FOR BEST RESULTS...

The Armstrong Guaranteed Installation Kit provides the tools and instructions needed to make a pattern of the installation area. The pattern is then used to cut new flooring for correct fit before installation. If more than one piece of flooring is used, the seams should be double-cut or trace cut as shown in the Guaranteed Installation Kit. It is important that the seam be cut in a straight line using a straight edge as a guide. The knife should be held completely vertical to put a clean 90 degree edge at the seam. Seams should be cut neat, not full or snug as it can result in buckles. Center the tape beneath the seam.

Apply installation tape

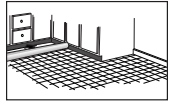
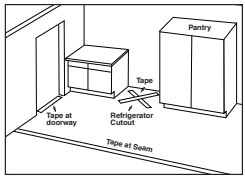
Step 5.

- Before moving your flooring to installation area, it's best to apply Acrylic Double-face Tape where needed at doorways and underneath heavy moveable appliances. (See diagram.)

- Tape should be placed in the form of a large X under the appliance. **Do not overlap tape.** Leave release liner on top surface of tape and press tape securely to the substrate using a dry cloth and hand pressure.

Step 6.

- If more than one piece of flooring is used, tape at seam will be applied after the flooring is in place and the seam is cut.



Carefully position new floor in room.

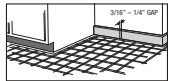
Lay floor in place and final trim

Step 7.

- Make a final check to be sure your prepared subfloor is clean, dry, flat and dust-free.
- Carefully reroll the new flooring with design side out and take into the room.
- Unroll it and position in the room taking care not to distort it by creasing or putting sharp folds into it.
- Inspect around walls, cabinets, etc. to be sure that an adequate expansion zone of 3/16" to 1/4" exists at all vertical surfaces and that the flooring can freely slide beneath doorway trim.
- Flooring should be laying flat and "balanced" in the room.



Trim Option



Be sure to leave expansion zone of 3/16" - 1/4" gap.

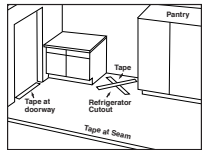
NOTE: If additional flooring needs to be trimmed around the perimeter, do it now. A simple method that works along most wall surfaces is using a short strip of wood, approximately 2" high x 18" long x 3/16" thick, and holding it as a guide along the base of the vertical surface, trim with a utility knife. Keep knife blade up against the trim guide as you cut. Keep fingers out of blade path.

Bond with tape

Step 8.

NOTE: Armstrong recommends Acrylic Double-face Tape to install No-Glue Vinyl Sheet flooring. Carpet tapes may show through and impact the final installed appearance of your floor. Carpet tapes may also cause vinyl discoloration.

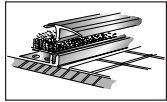
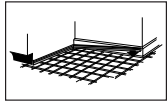
- If there is a seam in your room, it should be bonded with tape first, before bonding the other selected tape locations.
- After the seam is properly put together and bonded, gently fold back the edge of the flooring at other areas selected to have tape, and remove release liner from the tape.
- Carefully reposition the flooring. It must be laying flat when put down on top of tape. You can gently lift and reposition again if necessary. Continue removing release liner from tape and bonding at selected areas until complete.
- Final bonding step, use clean, dry cloth and hand pressure to firmly seal flooring into double-face tape.
- Seal any seams with the S-564 Seam Coating Kit to protect against dirt and moisture. Follow instructions on kit.



Finish the job

Step 9.

- Replace or install baseboard moldings or coved wall base to cover expansion zone (gap) around perimeter of room. Fasten molding to vertical surface; **do not nail through new floor or into expansion zone.**
- Leave a slight clearance between molding and flooring so any effects of seasonal movements in your home due to temperature or humidity changes will be minimized. Should a small bubble or buckle occur, the flooring should be gently lifted or pulled back from the pinch point and retrimmed.
- If the flooring shows fullness at a doorway or other area where tape has been applied, gently lift from the tape and push out the fullness and rebond. Use a fresh section of tape if necessary.
- At doorways where new flooring meets another floor surface, use a trim molding that covers the edge of the floor.



Install doorway cover molding.

CAUTION: Most damage to new floors is done when moving kitchen appliances. Caution should be observed so any heavy objects, particularly kitchen appliances, do not catch and tear material. When moving heavy objects into place, use hardboard or underlayment panels to protect floor. Use strips of hardboard under feet of appliances as they are moved into final position. Tilt appliance slightly to remove strips.

To further protect against heavy, sharp-edged furniture and appliance legs, the use of floor protectors is recommended. A sales associate can help select the right protectors.

Warranty

WARRANTY REQUIREMENTS:

Proper installation plays a key role in the performance of Armstrong® floors. Installation defects are not covered by our warranty and are the responsibility of your installer. Armstrong floors should be installed according to the Armstrong Guaranteed Installation System. This means that Armstrong installation products specifically designed for Armstrong floors should be used when installing Armstrong floors. If the Armstrong Guaranteed Installation System is followed, we guarantee that, for the specified warranty period, from the date of purchase:

- The floor edges won't curl.
- The floor seams won't open.
- The floor will stay bonded if installed with an Armstrong permanent adhesive.
- Armstrong adhesives, underlayments and seam treatments won't stain the floor.
- The floor will not crack over underlayment joints.

THE ARMSTRONG LIFETIME LIMITED RESIDENTIAL WARRANTY FOR:

Caspian II™ Plus, River Park™

● What is covered and for how long?

For the Lifetime from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.

- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.
- Will not wear through.*

Years 1-25 – Material and labor if professionally installed

Years 26-Lifetime – Material only

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG **40**-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Avantra™ 2

● **What is covered and for how long?**

For 40 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.
- Will not wear through.*

Years 1-25 – Material and labor if professionally installed

Years 26-40 – Material only

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG **30**-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Avantra™

● **What is covered and for how long?**

For 30 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.
- Will not wear through.*

Years 1-25 – Material and labor if professionally installed

Years 26-30 – Material only

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG **25**-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Sundial™

● **What is covered and for how long?**

For 25 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.
- Will not wear through.*

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG **20**-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Chamblis™ 2, Chamblis™

● **What is covered and for how long?**

For 20 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.
- Will not wear through.*

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG **15**-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Caspian II™, Sentinel™

● **What is covered and for how long?**

For 15 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not wear through.*
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.

† The heavier the item, the wider the floor protectors should be.

* Wear-through is defined as a loss of the floor design due to normal household use.

THE ARMSTRONG 10-YEAR LIMITED RESIDENTIAL WARRANTY FOR:

Bayside™

● What is covered and for how long?

For 10 years from the date of purchase, your floor:

- Will not rip, tear, or gouge from normal household use. (Movement of large appliances requires special handling.)
- Will not permanently indent when proper floor protectors are used.†
- Will not wear through.*
- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently stain from rubber-backed mats.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.

† The heavier the item, the wider the floor protectors should be.

*Wear-through is defined as a loss of the floor design due to normal household use.

Installation requirements

Proper installation plays a key role in the performance of Armstrong® floors. For installation of vinyl sheet, these basic guidelines should be followed:

- Store sheet for 48 hours in room where it will be installed. Keep room at a minimum 65° F (18° C) during that time and during installation. After installation, temperature should not fall below 65° F for the first 48 hours, and not below 55° F (13° C) after that.
- If room is heated by radiant coils in the subfloor, the SURFACE TEMPERATURE OF THE FLOOR should not exceed 85° F (29° C) .
- The subfloor should be level, clean, and free of wax, grease, oil or dust.
- If necessary, patch or fill any cracks in the subfloor with Armstrong Patch & Skim Coat.
- Use Armstrong Embossing Leveler to smooth any texture or embossing on the old vinyl floor.
- Install over smooth, well-bonded single layer resilient floors or over dry concrete and wood floors with a plywood overlay.

Armstrong Residential Warranties

- Cover the flooring material from the date of original purchase for the time period specified.
- Apply to original purchaser for floors in owner occupied or tenant occupied residences.
- Cover only floors graded as regular or "first quality".
- Are limited to one replacement floor for rip, tear, gouge or discoloration from moisture or underlayment panels (if covered in warranty description above).

Warranty Support

If any of the above should occur within the specified warranty period, Armstrong® will either repair the defective area or replace the floor with comparable Armstrong flooring of similar color, pattern, and quality at our option. And, if your floor was professionally installed using the Armstrong Guaranteed Installation System, Armstrong will also pay reasonable labor costs, one time only, for the warranty period specified (with the exception of the lifetime warranty where labor is covered for 25 years) for the direct repairs or replacement.

Armstrong excludes and will not pay incidental or consequential damages under this warranty. By this we mean any loss, expense or damage other than to the flooring itself that may result from a defect in the flooring. No implied warranties extend beyond the terms of this written warranty.

Please note: Some jurisdictions do not allow exclusions or limitations of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

This warranty applies to floors purchased after April 1, 2012.

What will Armstrong do if you are dissatisfied?

We will provide replacement Armstrong vinyl sheet of comparable quality, color and pattern. We exclude any liability for installation costs or other damages.

What is NOT covered by this warranty?

- Damage caused by fire, flooding or intentional abuse.
- Damage caused by vacuum cleaner beater bar, caster wheels, spiked heel shoes, and cutting from sharp objects.
- Loss of gloss/scratching.
- Minor color, shade or texture variations between samples or printed color photography and the actual material.
- Commercial use of residential products.
- Construction or installation related damage.
- Floors damaged by excessive moisture such as water leakage.
- Installation defects.
- Dissatisfaction due to improper maintenance.
- Damage caused by improper furniture rests and floor protectors, and moving appliances across the floor without adequate protection.
 - When moving appliances or heavy furniture, lay a plywood panel on your floor and "walk" the item across it. This protects your floor from scuffing and tears.
- Discoloration or damage caused by adhesives or floor care products not recommended by Armstrong.
- Floors that are installed in other than owner occupied or tenant occupied residences.

THERE ARE NO WARRANTIES BEYOND THIS EXPRESSED WARRANTY. ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. ARMSTRONG 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 WARRANTY.

Warranty Definitions

- Wear or wear-through means loss of the floor design due to normal household use.
- Normal household use means common daily activities in the home.
- Manufacturing defect means a visual or construction deficiency resulting from the manufacturing process.

What should you do if you have a problem?

We want you to be happy with your Armstrong® floor. If you're not, call your retail store. They can answer your questions and, if necessary, start to process a claim.

If you have further questions, please call us at 1 800 233 3823.

PLEASE KEEP YOUR RECEIPT. The receipt is required to verify proof of purchase and purchase date.

Warranty owner

This warranty extends only to the original end user and is not transferable.

Care and maintenance

Proper care and maintenance will help ensure your floor always looks its best. Simply follow our maintenance and prevention steps outlined below.

Immediately after Installation

- Protect the sealed seams on your flooring per the installation instructions. This will ensure proper seam bond. If your seams are disturbed before they're dry, permanent damage may result.
- Maintain room temperature at 65° F (18° C) for 48 hours after installation is completed. This assures proper curing, setting and bonding of products.
- If your floor has been installed with the full-spread installation method, then the adhesive under your floor needs time to thoroughly dry after installation. Therefore, we recommend that you do not scrub or wash your floor for five days.

Caring for your floor

- Sweep or vacuum regularly to remove loose dirt, which can scratch your floor: NOTE: We do not recommend vacuums that have a beater bar as it can visibly damage your flooring surface. Additionally, we do not recommend electric brooms with hard plastic bottoms with no padding as use may result in discoloration and deglossing.
- Never use highly abrasive scrubbing tools on any Armstrong floor.
- Wipe up spills as soon as possible. Remove dried spills with Armstrong New Beginning® Resilient Deep Cleaning Floor Stripper* on a clean white cloth and rinse. See stain chart for instructions on removing specific stains.
- Wash your floor regularly with Armstrong Once 'n Done® Resilient & Ceramic Floor Cleaner.*
- For heavy duty cleaning, use Armstrong New Beginning® Resilient Deep Cleaning Floor Stripper.*
- Do NOT use detergents, abrasive cleaners, or "mop and shine" products. These products may leave a dull film on your floor.
- Over time, if the shine on your floor begins to dull, Armstrong Shinekeeper® Resilient High Gloss Floor Finish can be used to renew your floor's shine. Do NOT use paste wax or solvent-based polishes.
- Vinyl flooring, like other types of smooth floors, can become slippery when wet. Allow time for floor to dry after washing. Immediately wipe up wet areas from spills, foreign substances, or wet feet.

*  **WARNING** : Eye and skin irritant.

Proactive protection for your floor

- When moving appliances or heavy furniture, lay a plywood panel on your floor and "walk" the item across it. This protects your floor from scuffing and tears. Never slide furniture or appliances directly over your floor.
- Use floor protectors, such as Armstrong Floor Protectors, on furniture to reduce indentation. The heavier the item, the wider the floor protector needed.
- Do not use rolling casters. They can damage the floor.
- Place a walk-off mat at outside entrances to reduce the amount of dirt brought into your home. We strongly recommend mats without a latex or rubber backing since these backings can cause permanent discoloration.
- All Armstrong floor care products have been specifically developed to care for Armstrong floors. You may purchase Armstrong floor care products at your local flooring retailer.

THE ARMSTRONG 10-YEAR LIMITED LIGHT COMMERCIAL WARRANTY FOR:

Avantra™ 2, Avantra™, River Park™

● What is covered and for how long?

The Armstrong 10-year limited light commercial warranty means that for 10 years from the date of purchase the floor listed above:

- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.

Installation

Armstrong warrants the installation integrity of these products for 10 years from the date of purchase. Installation integrity means that the products are installed according to the Armstrong Guaranteed Installation manual, F-506 I. The F-506 I manual is revised on a yearly basis, and floors must be installed according to the recommendations contained in the issue of F-506 I that is current and available at the time of installation.

Terms

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

Within Five Years: If a defect covered by this warranty is reported to Armstrong in writing after two years but within five years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay 50% of the reasonable labor costs.

After Five Years: If a defect covered by this warranty is reported to Armstrong in writing after five years but within ten years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will not pay labor costs. Per the terms above, Armstrong, at our discretion, reserves the right to recommend a repair as the primary option, if one can be facilitated. Full replacement will only be sought if circumstances exist where repair is not feasible.

Inspection of the material prior to installation is recommended. Armstrong will not pay labor costs to repair or replace material with defects that were apparent before or noticed at the end of installation.

If a defect covered by this warranty is reported to Armstrong in writing, Armstrong will provide a one-time only replacement of the floor per unit, and not for multiple complaints of the same nature, for the lifetime of the floor.

Exclusions

The following are not covered by this warranty:

- Improper maintenance
- Improper installation
- Buckling of the floor when installed by the loose lay method
- Differences between products and samples or photographs
- Indentation from improper loading including high heels, spike shoes, rolling loads, chairs, or other furniture not using floor protectors
- Failure of the floor to adhere to the subfloor due to, for example, moisture, alkaline or hydrostatic pressure from the subfloor
- Inappropriate end-user activities
- Damage caused by fire, flooding or intentional abuse

Applications

Avantra™ 2, Avantra™, River Park™ ASTM F 1303, Type I, Grade 2 specifications

Intended Applications:

- Home and multifamily dwellings and common areas up to 100 SY.
- Privately owned in-house businesses to include day care centers, doctor/dentist offices, and beauty salons/barber shops.
- Residence bathrooms and kitchens in multifamily units.

Non-intended Applications:

- Anywhere commercial cleaning machines will be used.
- Corridors.
- Large dining areas.
- Assisted-living.
- Commercial applications (education/institutional, hospital/health care, retail/mercantile, office, hospitality).

THE ARMSTRONG 5-YEAR LIMITED LIGHT COMMERCIAL WARRANTY FOR: Caspian II™ Plus

● What is covered and for how long?

The Armstrong 5-year limited light commercial warranty means that for 5 years from the date of purchase the floor listed above:

- Will not permanently stain from common household stains.
- Will not permanently stain from traffic stains including asphalt driveway sealer.
- Will not permanently scuff from shoe soles.
- Will not fade or discolor from heat or sunlight.
- Will not discolor from moisture or underlayment panels.
- Will not contain manufacturing defects.

Installation

Armstrong warrants the installation integrity of these products for 5 years from the date of purchase. Installation integrity means that the products are installed according to the Armstrong Guaranteed Installation manual, F-506 I. The F-506 I manual is revised on a yearly basis, and floors must be installed according to the recommendations contained in the issue of F-506 I that is current and available at the time of installation.

Terms

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

Within Five Years: If a defect covered by this warranty is reported to Armstrong in writing after two years but within five years of purchase, Armstrong will supply new material of the same or similar grade sufficient to repair or replace the defective material. Armstrong will also pay 50% of the reasonable labor costs.

THERE ARE NOT WARRANTIES BEYOND THIS EXPRESSED WARRANTY. ALL OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS OF A PARTICULAR PURPOSE, ARE EXCLUDED. ARMSTRONG 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 CONTRACT.

Warranty Owner

This warranty extends only to the original end-user.

What should you do if you have a problem?

We want you to be happy with your Armstrong floor. If you're not, call your retail store. They can answer your questions and, if necessary, begin to process a claim. If you have further questions, please contact us at 1 800 233 3823. PLEASE KEEP YOUR RECEIPT OR OBTAIN IT FROM THE ORIGINAL PURCHASER. The receipt is required to verify proof of purchase and purchase date.

This warranty applies to floors purchased after April 1, 2012.

Stain removal

TO REMOVE THE STAIN, FOLLOW THESE INSTRUCTIONS IN ORDER, UNTIL NO TRACE OF STAIN REMAINS

CRAYON

- Rub the stain with mineral spirits** or turpentine** on a clean white cloth.
- Scrub the area with Armstrong® New Beginning® Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

LIPSTICK

- Rub the stain with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- If stain is still visible, rub the stain with mineral spirits** or turpentine** on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

GRAPE JUICE/WINE

- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.
- If stain is still visible, rub the stain with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.

MERCUROCHROME/MERTHIOLATE

- Rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- Scrub the area with Armstrong® New Beginning® Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

MUSTARD

- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

PEN INK

- Rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- If stain is still visible, rub the stain with mineral spirits** or turpentine** on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

PERMANENT MARKER

- Rub the stain with mineral spirits** or turpentine** on a clean white cloth.
- If stain still shows, very carefully wipe with fingernail polish remover** containing acetone (follow use instructions on label) on a clean white cloth.

- If stain still shows, rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

ASPHALT DRIVEWAY SEALER/SHOE POLISH

- Rub the stain with mineral spirits** or turpentine** on a clean white cloth.
- If stain still shows, rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

HAIR DYE

- Rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- If stain still shows, use mineral spirits** or turpentine** on a clean white cloth.
- If stain still shows, very carefully wipe with fingernail polish remover** containing acetone (follow use instructions on label) on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

PAINT/VARNISH

- If paint stain is wet, wipe up the stain with water on a clean white cloth.
- If paint stain is dry, carefully scrape residue with a thin spatula.
- If stain still shows, rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.
- If stain still shows, use mineral spirits** or turpentine** on a clean white cloth.
- If stain still shows, very carefully wipe with fingernail polish remover** containing acetone (follow use instructions on label) on a clean white cloth.
- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.

NAIL POLISH

- Very carefully wipe stain with fingernail polish remover** containing acetone (follow use instructions on label) on a clean white cloth.

RUST

- Apply Armstrong® New Beginning® Resilient Deep Cleaning Floor Stripper* to the stain and let it stand for five minutes. Scrub vigorously with a stiff-bristle brush or nonabrasive white scrubbing pad, wipe, rinse, and let dry.
- If traces remain, rub with a soft cloth dipped in a solution of oxalic acid and water (one part acid to 10 parts water).
NOTE: Please follow instructions and cautions on label, as oxalic acid is poisonous.

CIGARETTE BURNS

- The procedure depends on the exact construction of your floor. Consult your retailer.

BLACK HEEL MARKS

- Scrub the area with Armstrong New Beginning Resilient Deep Cleaning Floor Stripper* and a nonabrasive white scrubbing pad, following instructions on the label.
- If stain still shows, rub the area with a nonabrasive cleaner.
- If stain still shows, rub the area with rubbing alcohol (isopropyl alcohol)** on a clean white cloth.

*  **WARNING** Eye and skin irritant

** May be combustible/flammable; please follow instructions on label.

Precautions

- Flooring should be rolled face out until ready to install and acclimated to the room.
- Accurately measure the length and width of room. Include recessed areas and doorways.
- Plan layout for minimum number of seams.
- If more than one piece of flooring is needed, allow for correct pattern match at seam.
- Allow an extra 1 to 1-1/2 inches of flooring on each end for trimming.
- Cut floor 3/16" away from all vertical surfaces.
- Acrylic Double-face Tape must be used at seams where needed, at doorways and other areas with heavy moveable appliances.
Do not use tape around perimeter of room.
- Use Acrylic Double-face Tape in areas where the flooring meets tubs, shower stalls or toilets. Seal with silicone caulk.
- Do not overlap installation tape.
- Tape should be placed in the form of large "Xs" (without overlapping) underneath moveable appliances.
- Undercut decorative trim and jamb moldings at doorways.
- Do not install over particleboard subfloors.
- Do not install on stairs or under cabinets.
- NOTE: Use caution moving heavy appliances!



Your ideas become reality.

Customer Relations & Technical Services:

1 800 233 3823

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