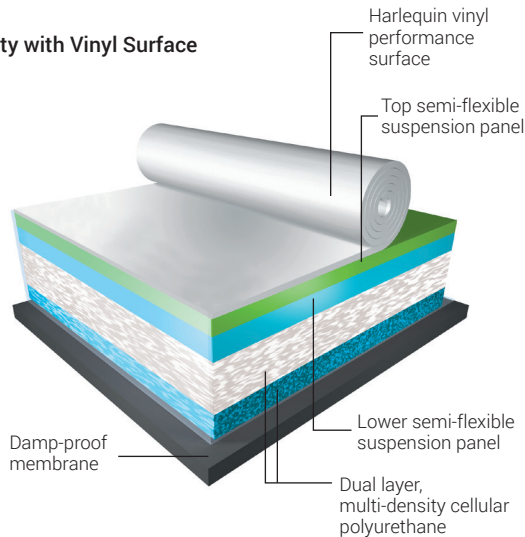
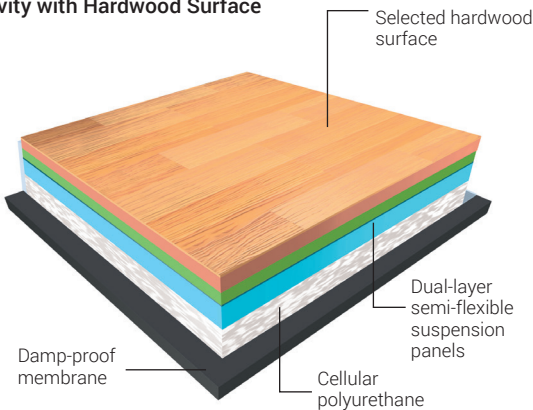


Activity with Vinyl Surface



Activity with Hardwood Surface



Harlequin Activity is a permanently installed sprung floor system, based on the well-established 'triple-sandwich' construction originated by Harlequin over 30 years ago. It's a fully floating system with no fixings to the sub-floor and can be laid on any reasonably smooth and flat surface without prior preparation.

Harlequin Activity is shock-damped to avoid a 'trampoline' effect and provides area and point elasticity to offer identical characteristics across the whole floor. An 'industry standard' choice, when correctly reinforced, it can withstand heavy loading including retractable seating.

Harlequin Activity is only available for installation by our Contracts Division. Activity can be installed with a Harlequin vinyl performance surface for all types of dance. A hardwood surface is available for specifiers who need a surface for multi-purpose use, including traffic by the general public, full stage entertainment, ballroom dance or when required to match existing décor.

Specification Guide

Permanent or Portable	Permanent
Finish	Harlequin Vinyl Performance or Approved Hardwood Surface
Weight	37-40 lbs/yd ² (vinyl surface) 47-50 lbs/yd ² (hardwood surface)
Overall Thickness	2 1/8" (2.125) nominal (vinyl surface) 2 1/4" (2.25) nominal (hardwood surface)
Testing Standards	DIN 18032-2
Average Shock Absorption (Min. 53%)	59.4%
Vertical Deformation (Min. 2.3mm)	3.8mm
Area Deflection (Max 15%)	7.2%
Rolling Load (Min. 1500N)	>1500 N

Harlequin Sprung Floor Application Guide

Along with Harlequin Activity, we offer additional sprung flooring options, which are listed below along with the recommended surface. These recommendations are based on experience and customer preference only. Please contact a Flooring Specialist to determine which option best suits your requirements.

✓ = We recommend.

	Allegro	Cascade	Fiesta	FreeStyle	Hardwood	Hi-Shine	Marine	Reversible	Reversible Pro	Standfast	Studio	Studio B
Activity		✓	✓	✓	✓		✓			✓	✓	✓
AeroDeck		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty (portable)		✓		✓		✓		✓	✓		✓	✓
Liberty LatchLoc		✓		✓		✓		✓	✓	✓	✓	
WoodSpring		✓	✓	✓	✓		✓			✓	✓	✓

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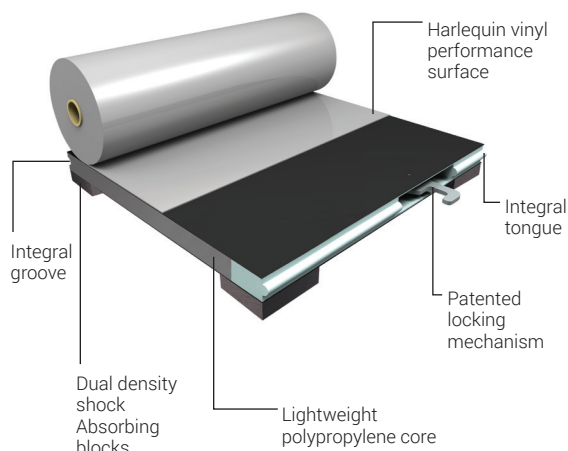
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Harlequin AeroDeck is an ultra lightweight water-resistant, modular sprung floor panel system manufactured from engineered panels with elastomer blocks, located at regular intervals on the underside, provide added shock absorption. The panels are laid in a brickwork fashion onto the subfloor, so that cross-joins do not coincide. They are linked to each other by a radiussed tongue and groove pivot joint and secured by a unique locking system, which remove the need to fix the panels mechanically to the sub-floor.

Harlequin AeroDeck is quick and simple to install. The portable panels have flexibility for reconfiguration and are light to carry due to an advanced internal structure inspired by aerospace technology. The core construction of the panel is unaffected by moisture therefore the system is suitable for use in outdoor productions.

Harlequin AeroDeck is finished by choosing an appropriate Harlequin vinyl performance floor surface.



Specification Guide

Permanent or Portable	Portable
Finish	Harlequin Vinyl Performance Surface
Full Size Panel	96" x 48"
Half Size Panel	48" x 48"
Weight	54 lbs (Full Size) 28 lbs (Half Size)
Thickness	1 ¹³ / ₁₆ " plus the Harlequin vinyl surface
Fire Rating	IMO FTPC Parts 2 & 5

Harlequin Sprung Floor Application Guide

Along with Harlequin AeroDeck, we offer additional sprung flooring options, which are listed below along with the recommended surface. These recommendations are based on experience and customer preference only. Please contact a Flooring Specialist to determine which option best suits your requirements.

✓ = We recommend.

	Allegro	Cascade	Fiesta	FreeStyle	Hardwood	Hi-Shine	Marine	Reversible	Reversible Pro	Standfast	Studio	Studio B
Activity		✓	✓	✓	✓		✓			✓	✓	✓
AeroDeck		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty (portable)		✓		✓		✓		✓	✓		✓	✓
Liberty LatchLoc		✓		✓		✓		✓	✓	✓	✓	
WoodSpring		✓	✓	✓	✓		✓			✓	✓	✓

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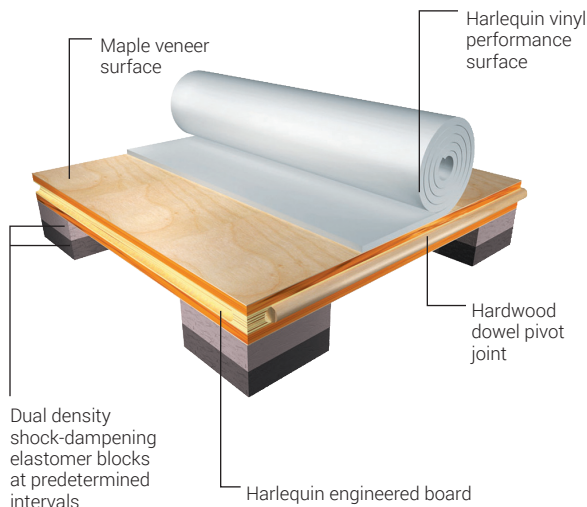
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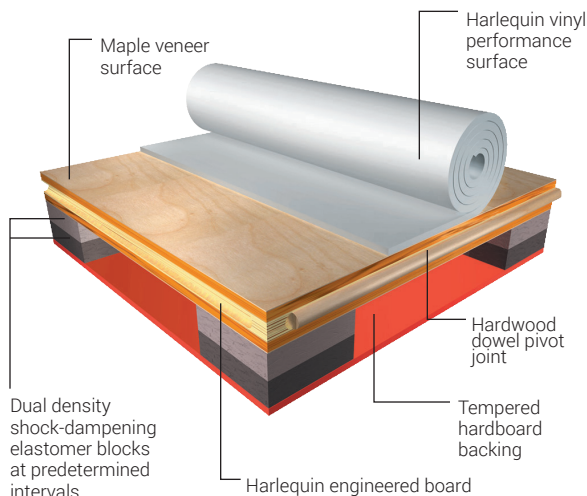
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Liberty Panels



Liberty Portable (Stage) Panels



Harlequin Liberty is a traditional portable sprung floor used by top touring companies around the world. Liberty panels are manufactured from engineered boards with dual density elastomer blocks on the underside to give uniform and consistent shock dampening. The panels are laid in a brickwork fashion onto the subfloor, so that cross-joins do not coincide. They are linked to each other by a hardwood dowel.

Harlequin Liberty sprung floor panels are available in both portable (stage) and permanent versions. The portable panels have tempered hardboard attached to the underside for ease of sliding the panels into position, to protect the elastomer blocks and to allow the panels to be loaded more readily onto storage carts.

Harlequin Liberty is finished by choosing an appropriate Harlequin vinyl performance floor surface. Solid kerbs and ramps are available for stage use or where the sprung floor does not extend to the walls of the studio.

Harlequin Liberty sprung floor panels are quick and easy to install. The panels and accompanying portable Harlequin vinyl floor surface can also be stored in carts, providing an easy and safe way for crews to move them while on tour or around a venue.

Specification Guide

Permanent or Portable	Both
Finish	Maple Veneer
Full Size Panel	96" x 48"
Half Size Panel	48" x 48"
Weight (Full Size)	83 lbs 93 lbs (Portable)
Thickness	1½" 1⅝" (Portable)
Testing Standards	DIN 18032-2
Average Shock Absorption (Min. 53%)	67%
Vertical Deformation (Min. 2.3mm)	4.1mm
Area Deflection (Max 15%)	12.8%
Rolling Load (Min. 1500N)	>1500 N

Harlequin Sprung Floor Application Guide

Along with Harlequin Liberty, we offer additional sprung flooring options, which are listed below along with the recommended surface. These recommendations are based on experience and customer preference only. Please contact a Flooring Specialist to determine which option best suits your requirements.

✓ = We recommend.

	Allegro	Cascade	Fiesta	FreeStyle	Hardwood	Hi-Shine	Marine	Reversible	Reversible Pro	Standfast	Studio	Studio B
Activity		✓	✓	✓	✓		✓			✓	✓	✓
AeroDeck		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty (portable)		✓		✓		✓		✓	✓		✓	✓
Liberty LatchLoc		✓		✓		✓		✓	✓	✓	✓	✓
WoodSpring		✓	✓	✓	✓		✓			✓	✓	✓

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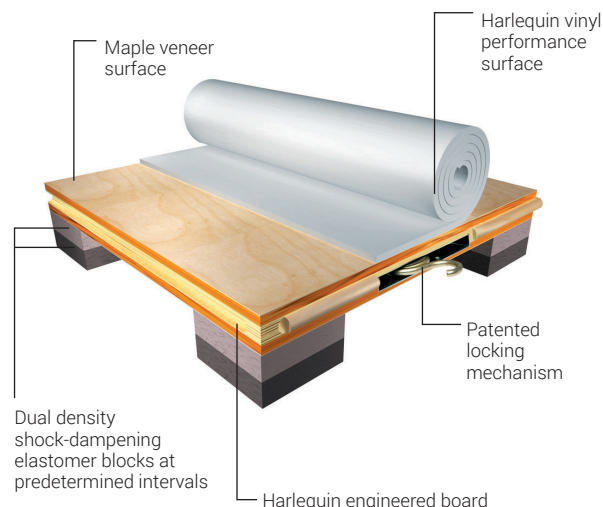
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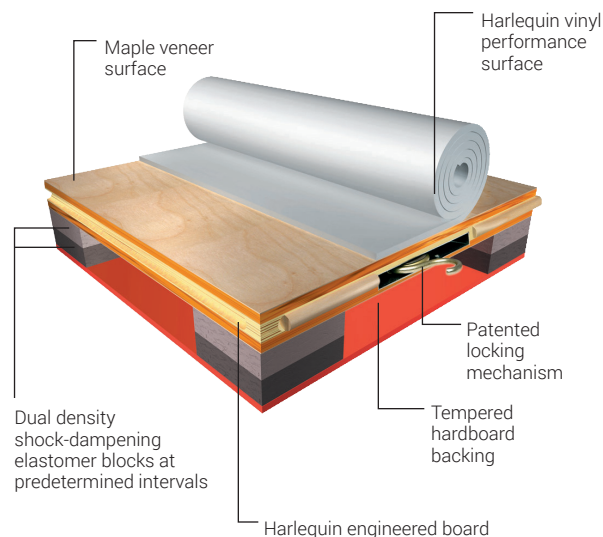
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Harlequin Liberty LatchLoc™

Liberty LatchLoc Panels



Liberty LatchLoc Portable (Stage) Panels



Harlequin Liberty LatchLoc is a modular, sprung floor panel system manufactured from engineered boards with dual density elastomer blocks on the underside to give uniform and consistent shock damping. The panels are laid in a brickwork fashion onto the subfloor, so that cross-joins do not coincide. They are linked to each other by a hardwood dowel, which is secured into place using our 'one turn of the key' latch and lock mechanism.

Harlequin Liberty LatchLoc sprung floor panels are available for portable (stage) installations. The panels have tempered hardboard attached to the underside for ease of sliding the panels into position, to protect the elastomer blocks and to allow the panels to be loaded more readily on storage carts.

Harlequin Liberty LatchLoc is finished by choosing an appropriate Harlequin vinyl performance floor surface. The panels are also available by special order only with a matte black surface for stage use. Solid kerbs and ramps are available for stage use or where the sprung floor does not extend to the walls of the studio.

Harlequin Liberty LatchLoc sprung floor panels are quick and easy to install. The panels and accompanying portable Harlequin vinyl floor surface can also be stored in carts, providing an easy and safe way for crews to move them while on tour or around a venue.

Specification Guide

Permanent or Portable	Portable
Finish	Maple Veneer or Matte Black Surface (special order)
Full Size Panel	96" x 48"
Half Size Panel	48" x 48"
Weight (Full Size)	93 lbs
Thickness	1 1/2" 1 5/8" (Portable)
Testing Standards	DIN 18032-2
Average Shock Absorption (Min. 53%)	67%
Vertical Deformation (Min. 2.3mm)	4.1mm
Area Deflection (Max 15%)	12.8%
Rolling Load (Min. 1500N)	>1500 N

Harlequin Sprung Floor Application Guide

Along with Harlequin Liberty LatchLoc, we offer additional sprung flooring options, which are listed below along with the recommended surface. These recommendations are based on experience and customer preference only. Please contact a Flooring Specialist to determine which option best suits your requirements.

✓ = We recommend.

	Allegro	Cascade	Fiesta	FreeStyle	Hardwood	Hi-Shine	Marine	Reversible	Reversible Pro	Standfast	Studio	Studio B
Activity		✓	✓	✓	✓		✓			✓	✓	✓
AeroDeck		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty (portable)		✓		✓		✓		✓	✓		✓	✓
Liberty LatchLoc		✓		✓		✓		✓	✓	✓	✓	✓
WoodSpring		✓	✓	✓	✓		✓			✓	✓	✓

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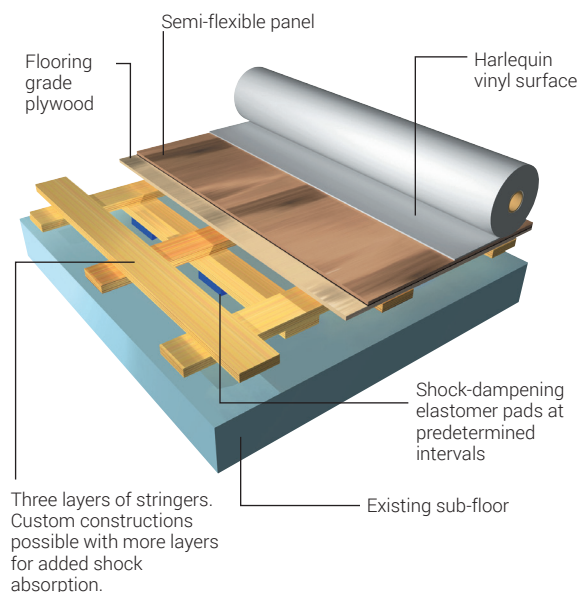
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Harlequin WoodSpring is a permanently installed sprung floor system that is a modern update of the traditional 'basket weave' construction originated in the 19th Century. Harlequin's modern interpretation blends a traditional construction approach with the technology of today's materials. The "spring" in basket weave construction comes from the natural flexing and recovery of the triple layer of battens, which is enhanced by shock-absorbent elastomer pads.

Harlequin WoodSpring is comprised of a triple layer of wooden bearers laid at right angles to one another onto shock-absorbent elastomer pads attached to the underside of the bottom layer. The bearers are then covered with a dual layer of semi-flexible panels and covered with either a Harlequin vinyl performance surface or solid hardwood. The selection of lumber, batten and pad spacing, insulation and installation are proprietary to Harlequin Floors and critical to long-term performance.

Harlequin WoodSpring can be used as a subfloor for all types of dance, including percussive and is a top choice of professional dance companies.

Harlequin WoodSpring must be installed through Harlequin's Contracts division and each custom installation is backed by a Harlequin guarantee.



Specification Guide

Permanent or Portable	Permanent
Finish	Harlequin Vinyl Performance Surface or Approved Hardwood
Top Panel	3/8" semi-flexible panels
Top Panel (hardwood only)	3/4" flooring grade plywood
Lower Panel	1/2" flooring grade plywood
Basketweave	3 layer counterbattens
Resilient Pads	3/8" Elastomer, proprietary density
Fastenings and Adhesives	Panels are bonded with a non-setting adhesive and mechanically attached.
Testing Standards	DIN 18032-2
Average Shock Absorption (Min. 53%)	64%
Vertical Deformation (Min. 2.3mm)	3.3mm
Area Deflection (Max 15%)	14.9%
Rolling Load (Min. 1500N)	>1500 N

Harlequin Sprung Floor Application Guide

Along with Harlequin WoodSpring, we offer additional sprung flooring options, which are listed below along with the recommended surface. These recommendations are based on experience and customer preference only. Please contact a Flooring Specialist to determine which option best suits your requirements.

✓ = We recommend.

	Allegro	Cascade	Fiesta	FreeStyle	Hardwood	Hi-Shine	Marine	Reversible	Reversible Pro	Standfast	Studio	Studio B
Activity		✓	✓	✓	✓		✓			✓	✓	✓
AeroDeck		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Liberty (portable)		✓		✓		✓		✓	✓		✓	✓
Liberty LatchLoc		✓		✓		✓		✓	✓	✓	✓	✓
WoodSpring		✓	✓	✓	✓		✓			✓	✓	✓

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