

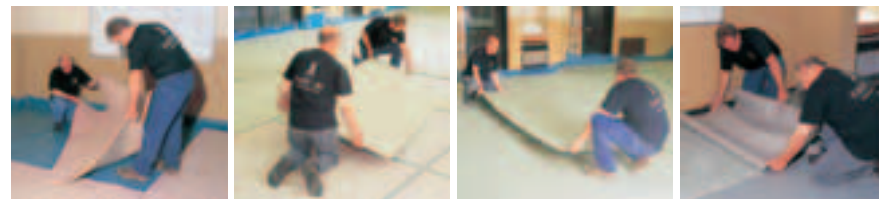
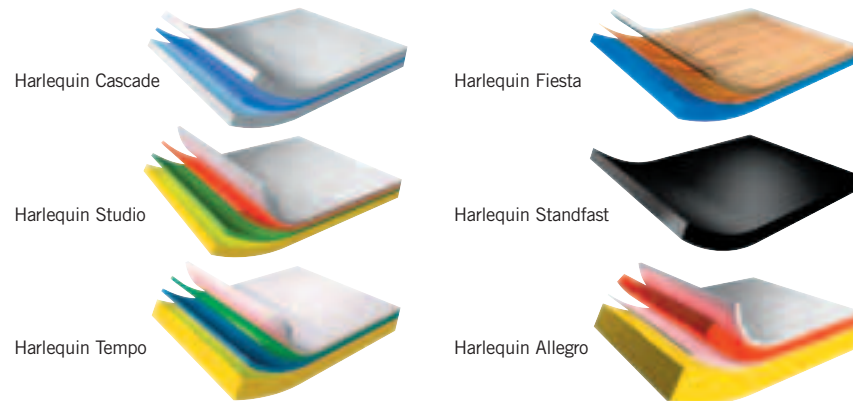
Harlequin Activity with Vinyl Surfaces

A polymer damp-proof membrane is laid across the subfloor onto which is placed a layer of cellular polyurethane of proprietary density. Two layers of moisture-resistant semi-flexible panels are then installed and staggered, so that the joints do not coincide. The top layer of panels is bonded to the one below with a non-setting adhesive and fastened mechanically. The damp-proof membrane is folded onto the surface and secured to form a damp-proof seal. Then the selected Harlequin vinyl performance surface is installed and adhered. The seams are welded to form an unbroken surface and, finally, the gap between the flooring and the wall is filled with a composite skirting profile, screwed to the edge of the floor structure to form a flexible seal to the wall.

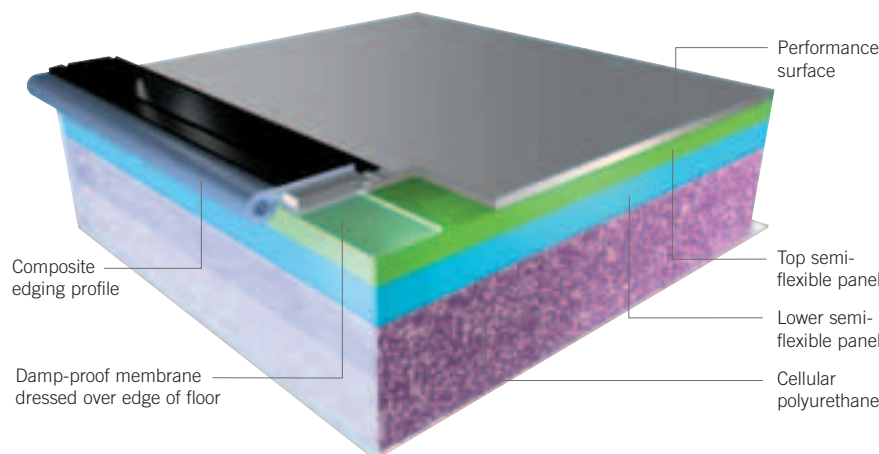
Specification Guide Harlequin Activity with Vinyl Surface

Overall Thickness	47 mm (1 ⁷ / ₈ " nominal excluding vinyl surface
Weight	20-25 kg/m ² (37-46 lbs/yd ²) depending on surface specification

Depending on individual performance requirements, the following are suitable as the top performance surface of an Activity Floor:



Cellular polyurethane layer First layer of semi-flexible panels Top semi-flexible panel layer with joints staggered Harlequin vinyl performance surface



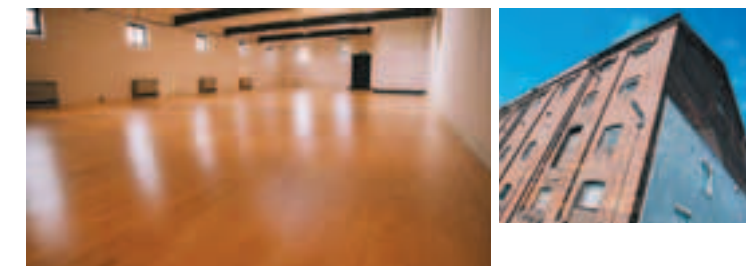
Harlequin Activity with Hardwood Surface

The construction is identical to Activity with a Harlequin vinyl surface, but the second layer of semi-flexible panels is replaced by a selected hardwood surface layer, normally an engineered board with a choice of hardwood wear layer. (However, if desired, this can be substituted with a solid hardwood layer.) This is installed with the use of a modified PVA adhesive and secretly secured through the tongues using lost-head nails.

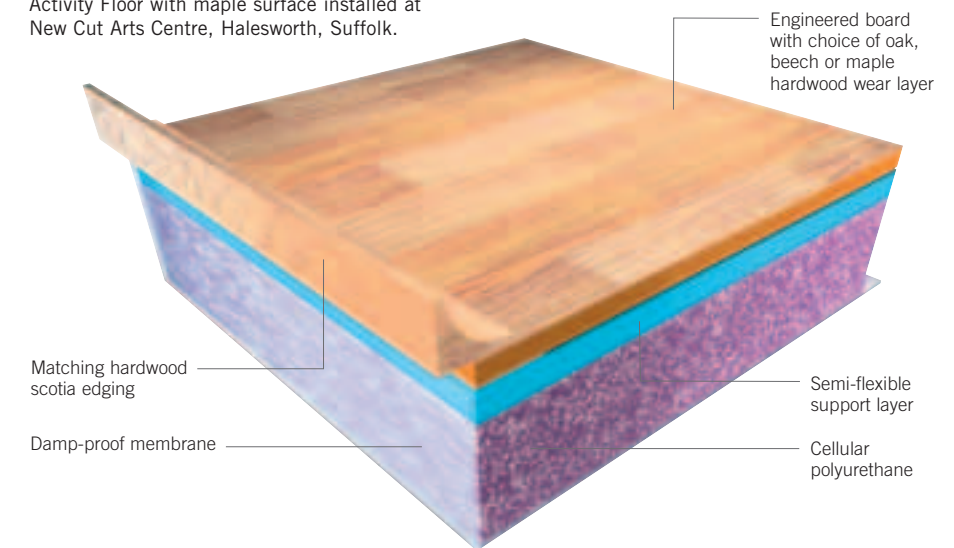
The hardwood surface may optionally be protected by impregnation with a multi-coat hardwearing polymer lacquer. The expansion gap around the perimeter of the room can be concealed by a scotia profile of matching hardwood to form a neat edging.

Specification Guide Harlequin Activity with Hardwood Surface

Overall Thickness	52 mm (2 ¹ / ₁₆ "
Description of Board	14 mm (9/16") thick 2-ply engineered hardwood
Total Thickness of Hardwood Wear Layer	4 mm (3/16")
Weight	22-28 kg/m ² (40-51 lbs/yd ²) depending on hardwood surface chosen
Laying Time	A floor of 100-150 m ² (120-180 yd ²) can generally be installed in 5 days
Maximum distributed load	750 kg/m ² (1380 lbs/yd ²)
Maximum dynamic load	350 kg/m ² (645 lbs/yd ²)



Activity Floor with maple surface installed at New Cut Arts Centre, Halesworth, Suffolk.



Installing the hardwood onto the support layer for the Crystal Cruise Line's ship, Crystal Serenity.

HARLEQUIN ACTIVITY is a permanently installed sprung floor system based on the now well-established triple sandwich construction originated by Harlequin over 25 years ago. It is a fully-floating system with no fixings to the sub-floor and can be laid on almost any reasonably smooth and flat surface without preparation.

British Harlequin plc
Festival House, Chapman Way
Tunbridge Wells, Kent TN2 3EF
Tel. 01892 514 888
Fax 01892 514 222
Freephone 0800 28 99 32
www.harlequinfloors.com
enquiries@harlequinfloors.com

Harlequin Europe SA
29, rue Notre-Dame
L-2240 Luxembourg
Tel. +352 46 44 22
Tel. FR +352 46 44 99
Tel. DE +352 46 39 39
Free phone 008 009 069 1000
Fax +352 46 44 40
www.harlequinfloors.com
info@harlequinfloors.com

American Harlequin Corporation
1531 Glen Avenue, Moorestown
NJ 08057, USA
Tel. +1 (1) 856 234 5505
Toll Free in USA 800 642 6440
Fax +1 (1) 856 231 4403
www.harlequinfloors.com
dance@harlequinfloors.com

Harlequin Australasia Pty Ltd.
PO Box 1028, 36A Langston Place
Epping, NSW 1710, Australia
Tel. +61 (2) 9869 4566
AUS Freecall 1300 666 900
Fax +61 (2) 9869 4547
www.harlequinfloors.com
auscontact@harlequinfloors.com

Harlequin Asia Limited
1801 The Strand
49 Bonham Strand, Sheung Wan
Hong Kong
Tel. +852 254 11 666
Fax. +852 254 11 999
www.harlequinfloors.com
hksales@harlequinfloors.com

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HARLEQUIN
The world dances on Harlequin floors®

Sprung Floor Panel System

HARLEQUIN ACTIVITY™

Harlequin Activity with Vinyl & Hardwood Surfaces

Harlequin Activity is a permanently installed sprung floor system based on the now well-established triple sandwich construction originated by Harlequin over 25 years ago. It is a fully-floating system with no fixings to the sub-floor and can be laid on almost any reasonably smooth and flat surface without preparation.

The construction of Harlequin Activity is shock-damped to avoid a 'trampoline' effect and provides area elasticity to offer identical characteristics across the whole floor. Correctly reinforced, Harlequin Activity can withstand heavy loading including retractable seating. Harlequin Activity has been tested for impact sound reduction with a variety of different Harlequin surfaces, according to BS EN ISO 140-8; 1998. The excellent results achieved ranged from 22 to 24dB.

Harlequin Activity can be installed with a choice of surfaces:

- Harlequin vinyl surface: for all types of dance, but particularly ballet.
- Hardwood surface: for specifiers who need a hardwood surface for multi-purpose use, including traffic by the general public, full stage entertainment, ballroom dance or even for designers obliged to match existing decor.

Harlequin Activity floor is only available for installation by Harlequin's Contracts Division.



Harlequin Activity Floor with Harlequin Cascade surface at Edinburgh's Telford College.



Kathryn Wade

Director, English National Ballet School

"HARLEQUIN ACTIVITY FLOOR IS SIMPLY THE BEST!"

Uniclass L84621	EPIC E434
CI/SfB 52 (43) X	

Photography:
Richard Dunkley

Dancers & Cast left to right:
Paulin Hugué & Roland Cox
Paulin Hugué & Roland Cox
Paulin Hugué & Roland Cox
Liz Braber, Ana Lucia Alves,
Monica Arnott, Dean Loxton
& Barrie West



Application Guide - Harlequin's Portable & Permanent Vinyl Floors

✓ Available

	REVERSIBLE	STUDIO	CASCADE	ALLEGRO	TEMPO	FIESTA	STANDFAST	MARINE
Activity		✓	✓	✓	✓	✓	✓	✓
Liberty Permanent		✓	✓		✓	✓	✓	✓
Liberty Portable	✓	✓	✓		✓			
WoodSpring		✓	✓	✓	✓	✓	✓	✓

DIN Standard 18032 Part II Test Results Harlequin Activity

	Shock Absorption	Vertical Deformation	Area Deflection	Rolling Load
Requirement	Min 53%	Min 2.3mm	Max 15%	Min 1500 N
Harlequin Activity	59.4%	3.8mm	7.2%	> 1500 N

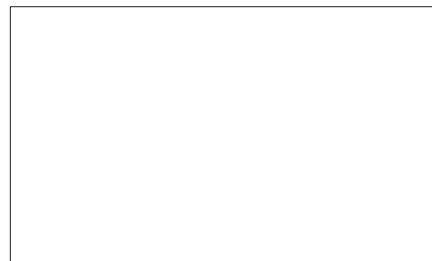
Harlequin Activity floors comply with the latest requirements of the Building Regulations, Access to and Use of Buildings (Part M), regarding access for disabled people.

Standards and Tests

Harlequin subjects its flooring products to tests by various international authorities covering, for example, physical and acoustic properties, resilience and slip resistance. Test information specific to Harlequin floors is available from British Harlequin on request.

All our sprung floors meet the relevant requirements of DIN 18032 part II, which relates principally to sports floors, and we will ensure compliance with the relevant sections of the new EN (European) standard for sports flooring. However, it must be stressed that no standards exist which relate specifically to dance floors and it cannot be assumed that if a product conforms to the DIN standard it will automatically be approved by dancers, whose predilections vary. Please consult Harlequin for guidance before specifying.

DISTRIBUTOR



08/09/BH001

2.2 Harlequin Activity
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The world dances on Harlequin floors®



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