



DS50

Stage Deck & PA Wings

Daytona Stage Hire

PO Box 43, Huddersfield, West Yorkshire, HD8 9YU.

T 01484 605555. M 07889 132580 Paul. M 07764 588093 Kris.

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DS50 Stage Deck & PA Wings

General Information.....

Daytona's Alistage deck is manufactured from Aluminium Alloy grade 6005T6. The material has a 0.2% proof stress of 225MN/m². The sections are extruded and comply with BSEN755-2.

The decking frame is constructed through the TIG welding process and is carried out in accordance with specifications laid out in BS3019: part 1: Specification for TIG welding of Aluminium by welders certified to BS:EN:287-2. Approval testing of welders for fusion - part 2: Aluminium and its alloys.

The decking frame is covered with 18mm Finnish plywood which is phenolic resin cross bonded using weather resistant glueing according to EN 314-2?class 3 (DIN 68705 Teil 3: BFU 100: BS6566 part 8:

Deck loading test certificates attached below.

The plywood is then covered with Polyflor Slip Resistant flooring (spec sheets & details attached below).

There are a total of 18 fully adjustable legs to ground with triangulation where required. All legs have wooden pads to ground.

Dimensions.....

Main stage deck: 9.6m wide x 5m deep.

PA wings: 1m wide x 1m deep x 2

Height from ground to deck: 1.5m approx.

Loadings.....

Overall: 7.5kN/m² which is approximately equivalent to 750kg/m².

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Project: STAGING UNIT LOAD TESTS Certificate No.: SOU520348/1/A1
Client: ALISCAFF LTD Office: CRAWLEY
TOTTENHAM LONDON N17 ORJ Date: 19.7.95
Client's Order No.: Order Status: COMPLETE
Inspection dates First: 4.7.95 Final: 4.7.95

This certificate is issued to **ALISCAFF LIMITED** following attendance at their **TOTTENHAM** works by the undersigned Surveyor on the date shown during which **Load Tests** on the undernoted items were witnessed and found to be satisfactory.

TEST 1 2440mm x 1220mm Stage Deck (Part No.7460) on 1200mm legs (Part No. 7511)
Vertical loading of 3035 Kgs simultaneous with horizontal loading of 304 Kgs in both long and short planes
Repeated with stage on 400mm legs (Part No.7465).

TEST 2 1220mm x 1220mm Stage Deck (Part No. 7462) on 1200mm legs (Part No. 7511)
Vertical loading of 1518 Kgs simultaneous with horizontal loading of 153 Kgs in both planes.
Repeated with stage on 400mm legs (Part No.7465).

Testing was generally in accordance with the **GUIDE TO HEALTH SAFETY AND WELFARE AT POP CONCERTS AND SIMILAR EVENTS & BS6399 Pt.1 1984.**

All items were inspected on completion of testing at each stage. No permanent set deflections were evident after the loadings' and the equipment was found to be sound and workmanship satisfactory.

I A G MORTIMER
Surveyor to Lloyd's Register

NOTICE - This certificate is subject to the terms and conditions overleaf, which form part of this certificate.
FORM 1123 (07/93) Lloyd's Register of Shipping, registered office: 71 Fenchurch Street, London EC3M 4BS



Deck Loading

The Third Edition of Temporary Demountable Structures published by The Institution of Structural Engineers states, in section 10.3.1, that stages should be designed to accept a minimum vertical static load of 5kN/m^2 with a simultaneous notional horizontal load applied in any one direction at the stage surface. Table 12 in Section 9 defines three categories of use the most onerous being Category 3 which requires the notional horizontal load to be 10% of the applied vertical load.

Tests witnessed by Lloyd's Register, have been carried out on a $1.22 \times 2.44\text{m}$ stage deck (test 1) and a $1.22 \times 1.22\text{m}$ stage deck (test 2) at 400mm high (the longest stage leg without knee brace supports), and 1200mm (the longest stage leg with knee brace supports). In witness of these tests certificate number SOU520348/1/A1 has been issued by Lloyd's Register.

The following calculations show the conversion of the applied loads from the above tests from kg into kN/m^2 .

Test 1

Stage Deck size	$1.22 \times 2.44\text{m}$		
Stage Deck area	$(1.22 \times 2.44\text{m})$	=	2.9768m^2
Total Applied vertical load	3035kg	=	$(3035\text{kg} \times 9.81\text{m/s}^2)$
		=	29773N
		=	29.773kN
Applied vertical load per m^2		=	$\frac{29.773\text{kN}}{2.9768\text{m}^2}$
Applied vertical load		=	10kN/m^2

Simultaneous to the vertical load, a horizontal load of 10% of the vertical load (304kg) was applied in both the long and short planes, this equates to 2.98kN and simulates a live load.

Test 2

Stage Deck size	$1.22 \times 1.22\text{m}$		
Stage Deck area	$(1.22 \times 1.22\text{m})$	=	1.4884m^2
Total Applied vertical load	1518kg	=	$(1518\text{kg} \times 9.81\text{m/s}^2)$
		=	14891N
		=	14.891kN
Applied vertical load per m^2		=	$\frac{14.891\text{kN}}{1.4884\text{m}^2}$
Applied vertical load		=	10kN/m^2

Simultaneous to the vertical load, a horizontal load of 10% of the vertical load (153kg) was applied in both planes, this equates to 1.5kN and simulates a live load.



DECLARATION OF PERFORMANCE



DOP - POLYSAFE STANDARD PUR

1. Unique identification code of the product-type:

PSSTD-DoP

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Polysafe STANDARD PUR (EN13845 - PVC floorcoverings with particle based enhanced slip resistance)

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use as floor covering in buildings (see EN 14041) according to the manufacturer's specifications.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

James Halstead PLC, Hollinhurst Road, Radcliffe, Manchester, M26 1JN, United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

James Halstead PLC, Hollinhurst Road, Radcliffe, Manchester, M26 1JN, United Kingdom

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Name of notified certification body that performed the initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance (fire performance only).

British Textile Technology Group (BTTG)
Wira House, West Park Road,
Leeds, LS16 6QL.

Notified Body 0338

certificate of constancy of performance

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

not applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire		EN 14041: 2004/AC:2006
Content of Pentachlorophenol		EN 14041: 2004/AC:2006
Formaldehyde Emissions		EN 14041: 2004/AC:2006
Slip resistance		EN 14041: 2004/AC:2006
Electrical behavior (dissipative)	NPD	EN 14041: 2004/AC:2006
Electrical behavior (conductive)	NPD	EN 14041: 2004/AC:2006
Electrical behavior (antistatic)	NPD	EN 14041: 2004/AC:2006
Thermal conductivity [W/mK]	0.25 W/m.K	EN 14041: 2004/AC:2006
Water-tightness	NPD	EN 14041: 2004/AC:2006

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4 Signed for and on behalf of the manufacturer by:

Mike Minett - Quality Manager

(name and function)

Manchester UK, 6th Jan 2013

(place and date of issue)

M. G. Minett

(signature)