Contents

1. Scope of Works / Description of Systems of Plant & Equipment

INTRODUCTION & SCOPE OF WORKS

Installation Contractor

Works Package:	Raised Access Floors
Contractor Name:	Accsys Projects Ltd
Contractor Address:	Unit 11 Insight Park, Welsh Road East. Southam, Warwickshire, CV47 1NE
Tel Number:	01926 633 355
Web Address:	www.accsysprojects.co.uk
Contact:	John Deely – Contracts Director
Email:	info@accsysprojects.co.uk

Installation Description

Supply and install Kingspan RMG600 medium grade raised floor installed upon Alpha V pedestal understructure to form a 181mm finished floor height, using the simploc method of screw fixing the panels to the pedestals.

Apply one coat of sealer. Form cut outs.

Completion Date

August 2024

2. Suppliers and Manufacturers Directory

Suppliers Details:

Name	Address	Tel, Web & Email
Kingspan Access Floors Ltd	Burma Drive, Marfleet, Hull, HU9 5SG	Tel: 01482 781701 Email: *enquiries@kingspan.com* Web: *www.kingspanaccessfloors.com*

COSHH Data Sheet PDFs

No products used in the raised floor installation are hazardous once dry and completed.

3. Manufacturers Information

MATERIALS / PART SCHEDULE

Materials

Material	Product Reference	Name of Supplier	Locations Used / Drawing Reference
RMG Raised Floor Panel	RMG 600	Kingspan Access Floors Ltd	
Alpha V Pedestal	Alpha V	Kingspan Access Floors Ltd	

Flooring Systems

RMG600 Kingspan medium grade access floor system.

The Kingspan medium grade raised access floor system incorporates a 600mm x 600mm x 31mm galvanised steel module constructed around a high density particleboard core.

The panels are encased in a galvanised steel sheet that comprises of a top sheet that is wrapped and laminated around the panel, then mechanically stitched to the bottom steel tray for greater strength and to provide electrical continuity through the panel. This unique wrap-around construction improves edge strength and accessibility and eliminates panel jamming caused by sharp edges.

The panel is supported on Kingspan Alpha V steel support pedestal to suit a finished floor height of 181mm.

The Alpha V pedestal is of steel construction and provides excellent electrical continuity. Lock nuts prevent changes in adjustment while in use and ensure rigid support. The pedestal head is a 90mm diameter steel disc welded to a steel socket which is produced in three lengths.

A PVC pedestal head cap is fitted to provide positive panel location whilst maintaining electrical continuity via a central copper insert through to the pedestal base plate, where earth connections can be made.

This system is designed, manufactured and independently tested to the medium grade requirements of the MOB PF2 PS/SPU performance standard.

Product Performance Summary:

- Point Load 3.0kN over 25mm²
- Uniformly Distributed 8.0kN per m2
- Safety Factor 2 times

RAISED ACCESS FLOOR SYSTEM
PSA

Tested in accordance with
PSA MOB PF2 PS/SPU for raised access floors.

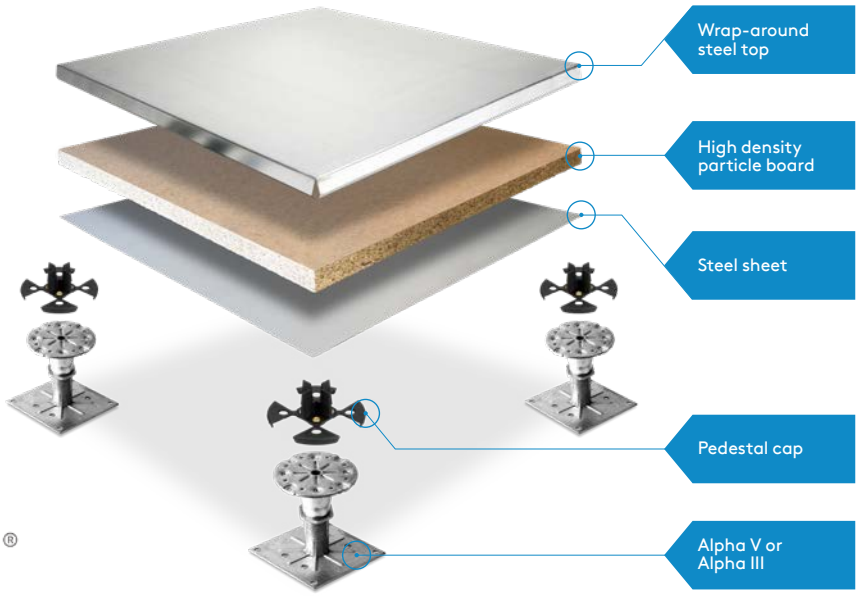
25 YEAR TOTAL SYSTEM WARRANTY §

RMG600

MEDIUM GRADE

For: General Office use

The fully encapsulated panel comprises of a wrap around steel top and a steel base plate that are adhesive bonded and mechanically stitched around a particle board core for greater strength and durability.



hpdc

EPD®
THE INTERNATIONAL EPD® SYSTEM

Panels	
Thickness:	31mm Nominal
System Weight:	36kg/m² Nominal
Panel Size:	600mm x 600mm†
Core Material:	30mm high density particle board
Category:	Loose lay

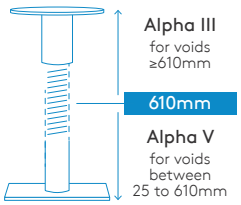
System Performance	
Point load 25 x 25mm:	3kN
Load over 300 x 300mm:	4.5kN
Uniformly Distributed Load (UDL):	8kN/m²

Panel Fire Performance	
Fire Class:	BS476-6 & BS476-7 Class 0
Reaction:	EN13501:1 Bfl-s1
Resistance:	REI30r

System Sound Performance	
Airborne Insulation (Dnfw):	43 dB
Impact Insulation (Lnfw):	67 dB

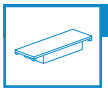
Pedestal Options

Steel pedestals* coated with a environmentally friendly clear passivation.



Pedestal Adhesive:

Standard or Acoustic pedestal adhesives available.



Stringers

Recommended for additional lateral stability in the following applications:

< 610mm void heights: clip-on stringer system
> 610mm void height: screw-down stringer system

Simploc Screw Down

This system is available with pre-drilled holes allowing the panels to be screwed down to the pedestals whilst still providing full access to the floor void.

Underfloor Plenum

This system can be supplied with neoprene gaskets to minimise air loss through the raised floor surface from the underfloor plenum to aid air circulation, distribution and management.

†600 x 900mm panels available for perimeter detailing.

* Pivot-head adaptors and Nickel plated pedestals available upon request.

§ Warranty only valid when a full Kingspan Access Floor system including panels and understructure is installed.

- All working loads perform to a 3x safety factor.
- Floor void heights from 25mm to 1200mm are available using standard pedestals. For heights outside of this range alternative pedestals are available.
- Structural performance based upon a full Kingspan system i.e. panels & pedestals.

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 E: KAFinfo@kingspan.com W: kingspan.com

Kingspan®

kingspan-rmg600-product-data-sheet-en-gb-row-v4 07/2021

ACCESS FLOOR SYSTEM PEDESTALS AND ACCESSORIES

Europed

Europed fully complies with the requirements of BSEN 12825 specification.

Dimensions	
Height range:	16 - 347mm
Base:	80mm

Alpha V / Alpha V.5

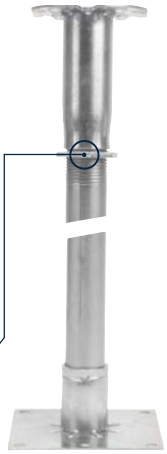
Alpha V Pedestal fully complies with light, medium and heavy grade requirements of the PSA MOB PF2 PS/SPU specification.

Alpha V.5 has a 5mm thick head plate.

Dimensions	
Height range:	20 - 620mm
Base:	100mm

Alpha III

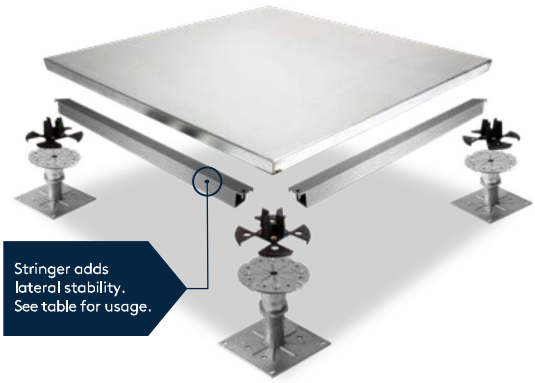
Alpha III Pedestal fully complies with heavy and extra heavy grade requirements of the PSA MOB PF2 PS/SPU specification.



Dimensions	
Height range:	=/> 250mm
Base:	120mm

Pedestal Usage Guide

	Europed	Alpha V	Alpha V.5	Alpha III	Stringer
D-Lock	●	●		●	
RG Series PSA		●		●	>600mm
RG Series BSEN	●	●		●	>600mm
TL PSA		●		●	
TL BSEN	●	●		●	
FDEB_M PSA			●	●	>450mm
FDEB_H PSA			●	●	All heights
FDEB BSEN	●	●		●	>450mm



The pedestals are of a Zinc plated steel construction, ensuring electrical continuity, pre-assembled to help minimize installation time. The pedestals have a locking nut to ensure that once adjusted and locked there is no movement in the pedestal head.

The head of the pedestals is designed to accept a range of support stringers. The head caps have a 90mm diameter and provide positive panel location. Adjustment is a nominal =+/-40mm; less on the lower void heights, with the range of floor heights ranging from 50mm to 2000mm.

When considering a pedestal, a height allowance must be made for cap thickness and adhesive layer; in general an allowance of 5mm should be made.

See specific panel datasheet for more information

- Where a stringer is recommended for system heights ≥450mm and ≥600mm the light clip on stringer is provided only to aid stability at installation; it is not a requirement to achieve system load rating.
- For FDEB_H the structural stringer must be employed at all heights.
- For Extra Heavy rating the box stringer must be employed with the correct version of the Alpha 3 pedestal.
- Nickel plated versions are available to special order.
- For applications not covered by this data sheet please contact: KAFinfo@kingspan.com or call +44 (0) 1482 781701

Kingspan Access Floors
Burma Drive, Hull, HU9 5SG, United Kingdom
T: +44 (0)1482 781701 **E:** KAFinfo@kingspan.com **W:** kingspan.com

kingspan-pedestals-product-datasheet-en-gb-v5 05/2022

4. As Built Drawings

N/A

5. Testing & Commissioning Results and Certificates

Building Testing Limited
Unit 12
Wintonlea Industrial Estate
Monument Way West
Woking
Surrey GU21 5EN

[t] 01483 766999
[f] 01483 766111
[e] info@buildingtesting.co.uk
[w] www.buildingtesting.co.uk

TEST REPORT F2941/9875

KINGSPAN RAISED ACCESS FLOOR SYSTEM
RMG 600 PANEL WITH PARTICLEBOARD CORE ON ALPHA V PEDESTALS

MEDIUM GRADE FULL ACCESS IN ACCORDANCE WITH PSA MOB PF2/SPU MARCH 1992.

INCLUDING EXTENSION TO SCOPE WITH SELECTED TESTS:
ADDENDUM 3 – 200MM CUT PANEL (PARTICLEBOARD)
ADDENDUM 4 – OVERSIZE PANEL (PARTICLEBOARD)
ADDENDUM 5 – ALTERNATIVE CORE MATERIAL (MDF)
ADDENDUM 6 – ALTERNATIVE PEDESTAL TYPE (PARTICLEBOARD)
ADDENDUM 7 – ALTERNATIVE PEDESTAL TUBE/KAF HEAD & STRINGER
ADDENDUM 8 – ALPHA 3 PEDESTAL AND STRINGER
ADDENDUM 9 – 2022 REASSESSMENT + SIMPLOC PANEL TESTS

Client: **Kingspan Access Floors Ltd**
Burma Drive
Marfleet
Hull
Yorkshire
HU9 5SG

For the attention of: **Mr Phil Clark**

Date issued: **27th June 2022**

CONTENTS

This document is a consolidation of a number of previously issued test reports and incorporates new test results for additional testing carried out on samples of RMG raised access floor system. The contents of tests are presented as follows.

SUMMARY OF RESULTS		
A full access platform floor system has been tested in accordance with the medium grade requirements of the PSA Method of Building Performance Specification MOB PF2 PS/SPU for Platform floors March 1992. The results are shown below.		
Clause	Test	Result
T1.00	Concavity and convexity	Pass
T2.00	Twist	Pass
T3.00	Panel squareness	Pass
T4.00	Pull off strength of panel edge strip	Not applicable
T5.00	Test for free play	Pass
T6.00	Air leakage rate	Indicative
T7.00	300mm square loading	Pass
T8.00	25mm square point loading	Pass (+ oversize panel)
T8a.00	25mm square point loading on perimeter cut panel	Pass (+ 200mm cut and oversize panel)
T9.00	Four point loading	Not applicable
T10.00	Uniformly distributed load	Pass
T11.00	Safety factor	Pass (+ 200mm cut and oversize panel)
T1200	Soft body impact	Pass
T13.00	Hard body impact	Pass
T14.00	Pedestal dynamic load	Pass
T15.00	Pedestal strength – horizontal load	Pass
T16.00	Pedestal strength – vertical load	Pass
T17.00	Effect of temperature	Pass
T18.00	Effect of humidity	Pass
T19.00*	Determination of surface spread of flame and index of performance	Pass
T20.00	Small scale fire test	Pass
T20a.00	Thermal properties	Indicative
The system tested complies with the relevant clauses of the Performance specification		

*The tests specified in clause T19.00 of the PSA specification are BS 476: Part 6 Index of performance and Part 7 Surface spread of flame. These tests are not included in BTL's UKAS accreditation and were therefore subcontracted directly by Kingspan Access Floors Ltd to UKAS accredited laboratory no.249 Exova Warrington Fire, whose results are incorporated herein.

6. Operation

OPERATING DETAILS / INSTRUCTIONS

RMG 600 raised floor system

The system is designed that when access to the floor void is required, the panels should be lifted vertically using the supplied suction cup panel lifter. Place the suction cup panel lifter in the centre of the panel and lift the panel out vertically from position. Carefully place the panel adjacent to the position it has been removed from.

Once the first panel has been removed using the suction cup panel lifter, the next panel can be lifted out of position by hand and carefully placed adjacent to the position it has been removed from.

Do not use any other tools other than the suction cup panel lifter provided to 'hinge' panels out of position (e.g. screwdrivers) as these will create damage to the edges of the panels and can lead to panels not locating correctly when replaced into position.

Only the absolute minimum number of panels should be removed at any one time in order to maintain maximum system stability. Long lines of tiles or large areas of floor should not be removed in any one time. Only those panels directly over the area of work in the subfloor should be removed.

Panels should be removed in single 'alternative' rows (e.g. row 1, 3, 5 etc) with 1 panel in six left in position for stability. Alternatively, panels should be removed in 'chequerboard' sequence. No support pedestals should be left exposed where it is prone to damage.

Every care should be taken while floor panels are out of the system, not to disturb the adjustment of the access floor pedestal.

On completion of the works, the panels should be placed back onto the pedestal head.

Under no circumstance are the pedestals to be used as 'pulleys' for cables etc.

7. Maintenance Procedures and Planned Maintenance

MAINTENANCE / CLEANING INSTRUCTIONS

Maintenance Procedures Overview

All modifications and repairs to the access flooring system including 'squeaky' or 'rocking' panels must be undertaken by Accsys Projects Ltd or a competent raised floor installer who is a member of the industry trade body, the Access Flooring Association (AFA).

Ensure that the underfloor void is kept clean and that no rubbish/debris is left in the floor void.

Ensure that no dirt/debris is left on the pedestal head when panels are replaced back into position, which can create 'rocking' tiles and noisy floors.

It is advisable to wipe clean all panel edges prior to replacement to ensure that any build-up of dust/debris, particularly if tackifier adhesive has penetrated down the edges of the panels, is removed to ensure the panel can sit correctly within the floor grid and 'squeaks' caused by panel rubbing do not develop.

We recommend that a simple annual inspection survey is carried out. This survey entails walking over the entire area of the installation checking for panels that have been damaged by abnormal use and surveying for replacements; checking the general flooring installation for 'lipping' or 'rocking' tiles and for any damage to the pedestal support understructure.

Cleaning

RMG 600

Whilst in most instances, floor finishes, such are carpets, timber, hard finishes etc, are applied to the surface of the access floor system by other specialist finishes contractors (i.e. not Accsys Projects Ltd), in these instances, advise should be sort directs from the relevant contractor as the cleaning/maintenance instructions for that particular product.

Where the raised floor is left bare the cleaning of the floor should be kept to a dry brush removing any excess of dirt and thereafter vacuumed.

For small localised cleaning of the bare galvanised steel finish of the access floor panel, this should be undertaken with a barely damp mop using as little water and neutral detergent as possible.

The use of any water must be avoided when underfloor electrical services/floor outlet boxes are in close proximity.

Any water spilt onto the surface of the panel should be removed immediately to avoid staining.

Dry mopping using rotary head polishing machines may be used with care, but no polish or abrasives should be used on the bare panels as polishes are detrimental to the performance of adhesives used in conjunction with floor finishes. Only soft brushes or pads to be used as any abrasion will remove the protective galvanized coating and reduce product life.

Maintenance Procedures

Cleaning

Maintenance Tasks	Frequency	Notes
Cleaning of floor	When Required	See details above

Yearly Maintenance

Maintenance Tasks	Frequency	Notes
Walk across floor / check lipping, gaps, loose panels	Yearly	After floor lifted/alterations

8. Spares Information

RECOMMENDED SPARES

Spare Parts Schedule

Description	Supplier Name	Supplier Part Number	Supplied
Panel Lifting tools	Accsys Projects Ltd	NA	Included
RMG 600 raised floor panel	Kingspan Access Floors Via Accsys Projects Ltd	RMG600	No
Alpha V Pedestal	Kingspan Access Floors Via Accsys Projects Ltd	Alpha V	No

9. Guarantees and Warranties

winvic
DOING IT RIGHT.

WARRANTIES / GUARANTEES

Accsys Projects Ltd hereby offers the following guaranteed terms in relation to the raised access floor installation undertaken on the above referenced project:

a.)	New Floor panels	25 years from installation date
b.)	New Pedestal understructure	25 years from installation date
c.)	Installation/Workmanship	1 year from installation date

The effective start date for this warranty is: August 2024

Cover

The installation is warranted against poor workmanship in the production and manufacture of the products and final site installation works. This includes (where installed), Floor panels, Pedestal understructure, structural stringers, adhesives and fastenings, fittings, bridging units and bracings, and any associated ancillary installation items supplied by Accsys Projects Ltd.

Any new floor system components (a. & b.) are guaranteed directly by the flooring manufacturing company against defective materials for a period of 25 years starting from the installation completion date if properly maintained and used in accordance PSA (MOB PF2 PS/SPU) performance specification, see attached confirmation letter.

This guarantee is only valid for the new products installed by Accsys Projects Ltd and does not cover any of the customers other existing flooring installations or existing components not replaced as part of our works.

Accsys Projects Ltd warrants that the Goods will be of satisfactory quality (within the meaning of the Sale of Goods Act 1979) at the time of delivery and the Company shall at its option refund the purchase price at the pro rata contract rate or repair or replace free of charge any Goods which are defective provided.

Insurances

Accsys Projects Ltd commits to maintaining the following levels of insurance cover, so long as the company is trading:

Employers Liability	£10m
Public Liability	£10m
Products Liability	£10m
Professional Indemnity	£5m

Exclusions

The following exclusions apply to the Guarantee:

- any defect that has arisen because the Customer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or (if there are none) good trade practice.

- the Customer has not altered or repaired such Goods without the written consent of the Company. Any unauthorised repairs or alterations/adaptations to the installation by others will automatically invalidate this guarantee.

- this guarantee does not cover any accidental damage (including overloading), improper use, due to force majeure, any surface covering wear and tear (where supplied), misuse or incorrect maintenance of the products/installation.

- this guarantee does not cover any problems associated with fading or discolouration of any surface finishes (where supplied) if improper chemicals or cleaning methods are used or any natural colour changes of the finish caused by prolonged exposure to sunlight.

Notice

the Customer is required to provide written notice of the defect within 7 days from the date of delivery or (where the defect or failure was not apparent on reasonable inspection) or within 31 days after discovery of the defect or failure; and that Accsys or the flooring component manufacturing company are given a reasonable opportunity after receiving the notice to examine the reported defective components or installation.

Limitations

In the event of a warranty claim to the products, the claim shall not exceed the original payment price of the product/services by the customer. Accsys Projects Ltd shall not be liable for incidental or consequential damages resulting from any breach of this warranty.

This warranty is not transferable and may not be assigned, and may not be modified unless agreed in writing, and signed by authorised representative of Accsys Projects Ltd.

This Guarantee is without prejudice to the customer's statutory rights.

10. Replacement Strategy

Modifications

All modifications/adaptations should be undertaken by Accsys Projects Ltd or a reputable raised flooring contractor who is a member of the industry body, The Access Flooring Association (AFA).
All works to be conducted in accordance with a project specific method statement and are to include Risk Assessments, COSSH Assessments and PPE.
No adaptations should be attempted by the client/end user as incorrect modifications can affect the overall floor loading capability of the floor system or create ‘rocking’/incorrectly seated panels.

11. Demolition Decommissioning or Disposal

MODIFICATION / DISPOSAL INSTRUCTIONS

Modifications

All modifications/adaptations should be undertaken by Accsys Projects Ltd or a reputable raised flooring contractor who is a member of the industry body, The Access Flooring Association (AFA).

All works to be conducted in accordance with a project specific method statement and are to include Risk Assessments, COSSH Assessments and PPE.

No adaptations should be attempted by the client/end user as incorrect modifications can affect the overall floor loading capability of the floor system or create 'rocking'/incorrectly seated panels.

Disposal of Raised Floor System

Kingspan RMG600 Panel - No specific disposal requirements – general waste.