#### Experts *in carpeting the* rail industry

Axminster

Specialist quality custom made sustainable carpets for rail

O3 THE EXPERTS

07 DESIGNED FOR RAIL

14 TAILORED DESIGN

20 THE SUSTAINABLE CHOICE

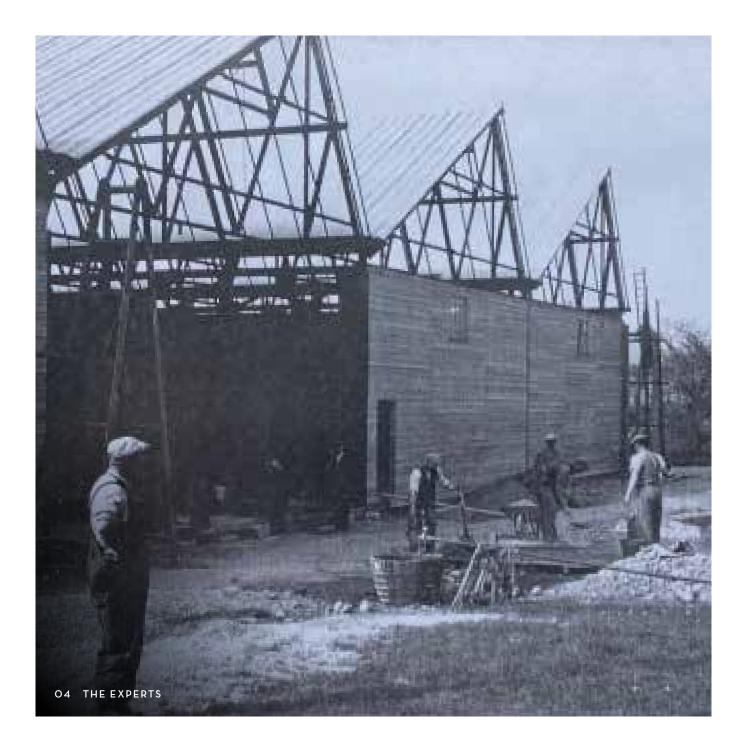
24 OUR PROJECTS



### The experts

Dedicated to our craft of expertly designed and woven carpets, we are continually improving our skills and knowledge to ensure we always offer the absolute highest quality of carpet possible.





# *In the* history

Britain's best known and most prestigious carpet designer and manufacturer, Axminster have been manufacturing the world's finest carpets, of the highest possible standard for over 250 years.

Founded in 1755, by Thomas Whitty, Axminster has become synonymous with quality, craftsmanship and the invention of the modern-day woven carpet, the Axminster Weave.

Axminster Carpets is a proud recipient of the Royal Warrant of Appointment for service, quality and excellence in carpet making and supply to Her Majesty The Queen; an award we continually pride ourselves upon.



By Appointment to Her Majesty The Queen Carpet Manufacturer Axminster Carpets Ltd Axminster Devon



#### Crafted in Britain

We pride ourselves on our heritage, which is why we continue to source, weave and create all of our carpets in the UK. Along with its sustainable benefits, this also allows us to offer short and guaranteed lead times on local projects.

#### Expert quality

Quality, craft and longevity remain at our core, as we pride ourselves on creating the finest quality carpets from only the best, locally sourced wool.

#### Investing in Axminster

We are continually investing in our factory, looms and people to maintain and evolve our standards of service, efficiency and sustainability. Our factory has been consolidated to improve efficiencies and maximise sustainability processes. Our looms are updated and improved to ensure continued quality. We continue to be an important employer to the local community, with third and fourth generation family members dedicated to the expert carpet craft.

#### Europe and worldwide

Whilst our factory and resources are local to our origins, we strive to lay beautiful carpets in all corners of the world. Our UK factories have serviced projects across Europe, and as far afield as Hong Kong and South Africa.





# *Beautiful* to travel with

With over 20 years of experience in supplying the rail industry, Axminster Carpets are proud to be the largest supplier of sustainable, woven rail carpet with the longest life cycle in the UK.

Supplying top performance rail carpet kits to some of the UK's and Europe's biggest train manufacturers and rail operators, Axminster can be seen across hundreds of rail services across the country, including Northern Railway, Trans Pennine Express and South Western Railway; along with the luxurious and historic Belmond British Pullman.

Careful design and expert craftsmanship are woven into each carriage's carpet, ensuring true resilience and comfort for passengers and rail staff alike.

CAPPETS

# Designed for rail

With dedicated designers and product specifications, we strive to create Axminster quality of product, tailored for the rail industry.

Axminster

# Crafted specifically for rail **O8 DESIGNED FOR RAIL**

We strongly believe that a carpet is an integral part of any space, and therefore each one deserves tailored attention, expertise and design along with the trusted quality craftsmanship guaranteed with all Axminster carpets.

We have a dedicated team of designers who focus their expertise and full attention on creating the very best woven wool carpets for the rail industry.

A CARPET ISN'T A ONE-SIZE-FITS-ALL PRODUCT, EVERY CARRIAGE IS DIFFERENT AND DESERVES TAILORED ATTENTION, EXPERTISE AND DESIGN ALONG WITH TRUSTED, QUALITY CRAFTSMANSHIP

Due to their rail specific product specifications, all of our carpets are quality and assurance tested for rail. Our rail certified carpets are truly fit for purpose, in terms of testing, capability and design; carrying a host of rail specific benefits, along with the highest-standard quality you expect from an Axminster carpet.













#### Certified service

Thanks to our consistent dedication and pride, our rail carpets have been certified with world leading accreditations, secured for safety, quality and sustainability.

With quality management in place to ensure compliance, we can guarantee that our carpets will uphold the best craftsmanship, durability and efficiency that they always have.





### 15 reasons our carpets are the best

We pride ourselves in creating the very best carpeting for the rail industry, with dedicated designers and project managers, along with rail specific specifications and production.

We're continually working on lowering our environmental impact, and this is prevalent with our rail products too. We use only sustainable materials, source and weave in the UK and reduce installation waste with our precise quanitification service.

Our wool carpets have benefits beyond their sustainability, being naturally fire retardent, insulating, hypoallergenic and VOC and sound absorbing.



10 DESIGNED FOR RAIL



# Unrivalled *life* cycle costing

Due to the dedicated, quality craftsmanship and the finest natural materials in each carpet, we can ensure long term appearance, retention and performance; to keep carriages looking pristine for longer, whilst minimising maintenance costs.

Outperforming our competitors, our carpets are guaranteed to have a longer lifecycle and create less waste, making an Axminster carpet more cost effective and a more sustainable choice for any rail project.

Axminster CARPETS



#### Seamless weaving

Our unique broadloom width allows for fitfor-purpose weaving. Up to 4m in width, double that of other providers, we design and weave carpets to fit carriages perfectly.

#### Efficiency

With the perfect fit, our carpets are a brilliant choice for efficiency; faster fitting, minimal waste and no adhesives.

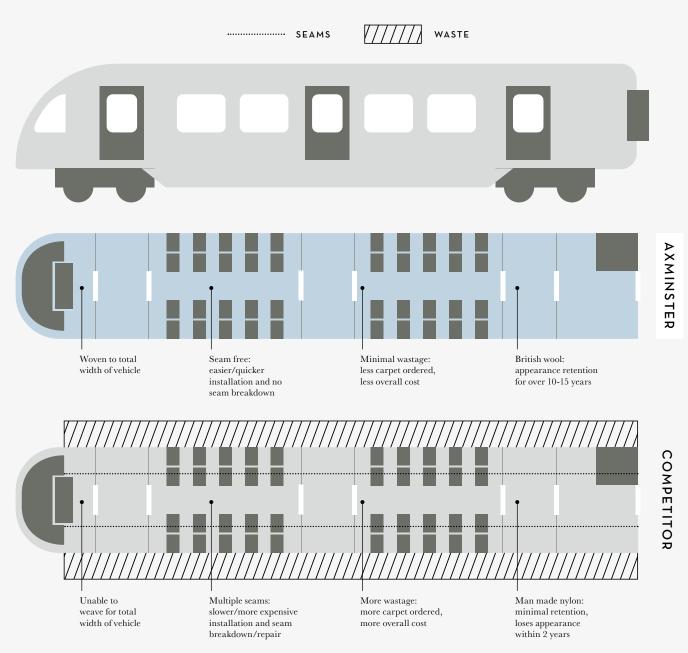
#### Velcro

Our superlative fast fitting system allows for carpets to be laid quickly and easily, whilst still offering strength and durability. With no additional backing required, carpets can be fitted efficiently for a faster project turnaround.

#### Kitting service

We supply a full kit with all the pieces required for fitting your new Axminster carpet. Following expert survey and design, we weave, cut and kit specifically for each individual carriage. This offers an efficient and more sustainable service, as you receive everything you need, with no need for cutting or unnecessary waste.

Axminster CARPETS





Thanks to our more expansive looms, an Axminster carpet can be woven to fit the full width of any rail vehicle, which is beneficial for a number of factors. Perfect fitting means there is less waste, which is not only highly beneficial for the environment; it saves on installation costs as well as future repairs to unsightly, wearing seams.

Although, by the metre, an Axminster carpet may seem more costly, due to the excessive wasted carpet needed for a nylon counterpart, the two options are almost identical in material cost. However, due to higher installation, repair and maintenance costs, a nylon carpet costs more year on year.



13 DESIGNED FOR RAIL

# Tailored design

From woven to order designs, with a curated selection of pattern and colour, to completely custom-made pieces; our experienced designers will work with you to craft a carpet perfect for your project.





Carpets are an integral part of carriage interiors, providing comfort and familiarity for travellers.

We believe that a carpet should undergo as much consideration as colours and fixtures; as they cover such a vast portion of a carriage, they're the perfect way to bring brand individuality into a space.

That's why we offer a truly tailored service, where you can work closely with our designers to create a carpet that is the perfect fit for your project.

FROM MOTIFS TO LOGOS, WE WILL WORK CLOSELY WITH YOU TO CRAFT THE PERFECT DESIGN FOR YOUR CARPET

From patterns and motifs, to company logos and even regulatory signage - we can craft a piece that includes everything you need, tailored specifically for the dimensions and layout of each carriage.

Choose from an expertly curated range of colours to bring your design to life; we'll work with you to bring your ideas to life, and create carriages that are beautiful to travel with.

CAPPETS



### *Fully* tailored design

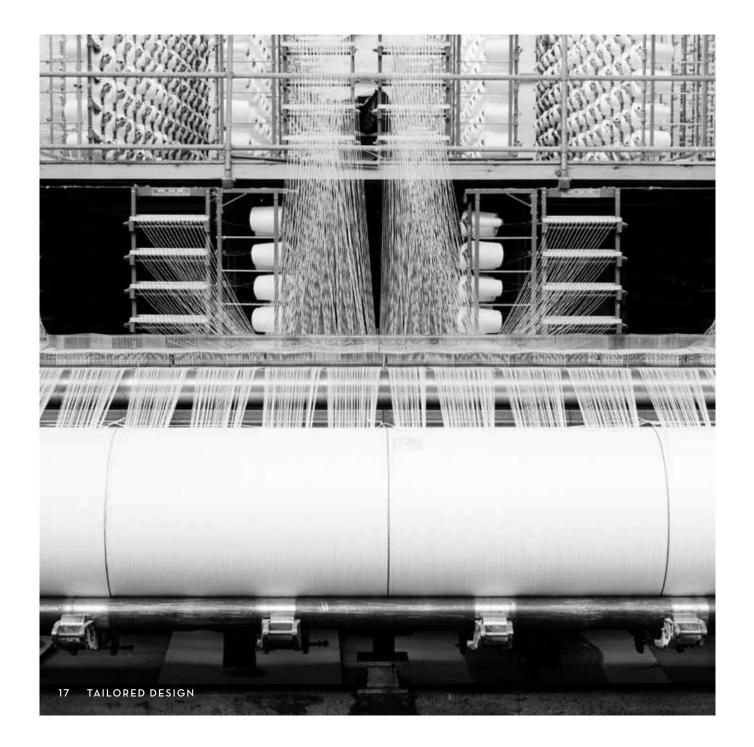
日日

8=8

As well as making carpet kits tailored to each vehicle type, we offer unrivalled design flexibility in our woven rail carpets, compared to the simple tufted looms used by the plastic, nylon carpet competitors. Unique to woven carpets, we can treat the floor of the carriage as a canvas, tailoring to fit aisles and varying shapes.

We can create perfect side to side matching, that simple tufted looms cannot compete with. Designs can be created without pattern repeat across the entire width and length of the carriage, and can include woven logos and motifs, for a truly custom-made finish.

Axminster CARPETS



#### Rapid weave

From bold geometric patterns to simpler speckling, Rapid Weave houses a selection of designs that are set up and ready to be woven.

Whilst our Rapid Weave designs have been created with specific colours, they're a great base to take inspiration from. Our designers can customise them with your colour choices, or even tweak a pattern to be more in keeping with what you're looking for.

Our Rapid Weave collection offers brilliant inspiration along with 22 designs that are ready to weave, with a quick turnaround for urgent projects.

4xminste CARPETS

# Rapid weave



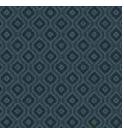
WK2-2022

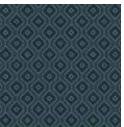


WK3-2022

WK4-2022







large, seamless canvas. Choose a design for your project, or talk to one of our designers to create your own custom colour choice.

All of our Rapid Weave designs are 2.4x18m non-repeating

patterns, meaning we can treat your entire saloon floor as one



WK6-2022



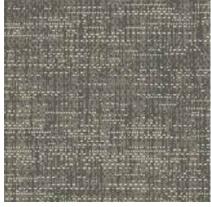




WK34-2021

WK73-2021

WK35-2021





WK68-2021



WK46-2021

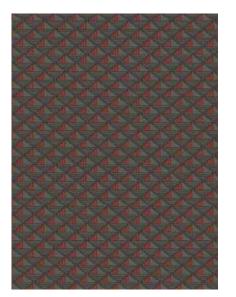


Axminster CARPETS





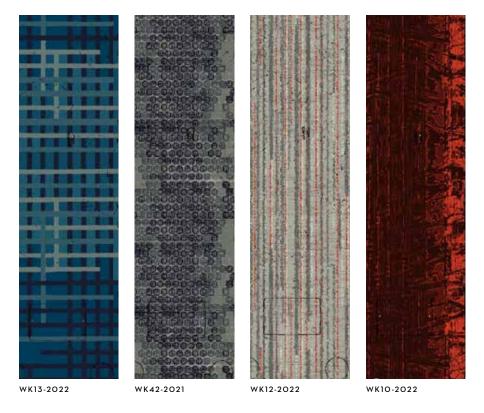
WK8-2022

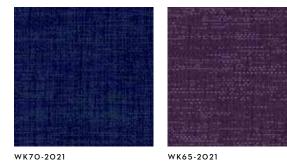


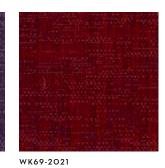
WK5-2022

WK7-2022

Full floor designs, spanning the length and width of the vehicle.









### The sustainable choice

With British manufacturing and locally sourced wool at the core of our process, we are *the* sustainable choice for rail carpeting.

99% of our materials are UK sourced to shorten our supply chain and minimise our carbon footprint.



### A breath

of *fresh* air

Wool carries a host of benefits for carpets, from environmental to personal. Natural, renewable and biodegradable, wool carpets absorb VOCs and aid in supporting healthier living. Our wool, low carbon carpets help decarbonise the railway due to their inherently sustainable ingredients of wool, jute, cotton and latex.

Wool's natural acoustic absorption and hypoallergenic properties mean that the carpet reduces carriage noise, whilst creating a clean and improved air quality. Our lighter, thicker and more luxurious carpets help to create a truly comfortable and elite passenger experience.

Out performing man-made fibres, wool is the yarn of choice in markets where passenger safety is of paramount importance, with a naturally high ignition point. Axminster wool carpets perform to the very highest level of the EN45545 Fire and Smoke. Toxicity Test to the highest HL3 level.

Axminster



To appreciate wool's *true beauty*, come back in 30 years.

Latter Butter

Hxminster

WOOL IS NATURALLY BIODEGRADABLE

WOOL CARPET



### Supporting British farming

Our British origins remain at our core; from sourcing to weaving. The finest raw materials are selected from within the UK, allowing us to closely oversee quality and care whilst supporting local British farming.

This, in turn, allows us to keep our environmental impact to a minimum, with the use of sustainable and biodegradable materials and minimal shipping.

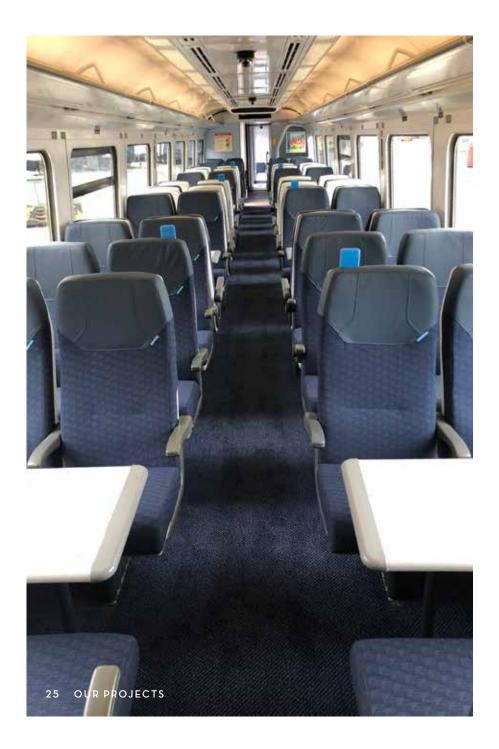
Due to the cooler climate, British wool offers more benefits in carpet manufacturing - giving us even more reason to remain rooted in the UK.

Axminster 

## Our projects

From daily commuting to wonderful experience carriages, we pride ourselves on creating the very best passenger experience, no matter what the journey.

Axminster



### South Western *Railway*

Axminster have supplied carpet to over 800 vehicles for South Western Rail Class 450, 444, 442, 158 and 159 fleet. This marks Axminster's largest contract to date, a pivotal moment for the company and one for the archive.

WE'VE HAD REALLY POSITIVE FEEDBACK ON THE QUALITY OF THE NEW AXMINSTER CARPETS ON BOARD OUR REFURBISHED TRAINS

NEIL DRURY ENGINEERING DIRECTOR SOUTH WESTERN RAILWAY

The world-famous Devonshire factory overlooks the South Western line from Waterloo to Exeter which has always afforded Axminster employees a real affinity to the franchise.

### The quality really makes a difference to the customer experience which is what we were confident we would get when we first commissioned these wool carpets from Axminster

NEIL DRURY ENGINEERING DIRECTOR SOUTH WESTERN RAILWAY

### Transpennine Express

Axminster Carpets underwent a 12-month project to produce a bespoke carpet for all 51 of the TransPennine Express fleet of Class 185 trains.

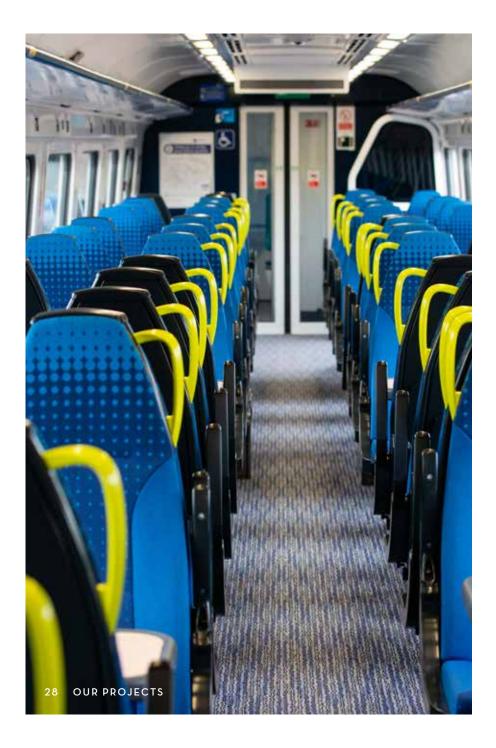
The new carpet formed part of a major refurbishment of the trains, which can be seen travelling right across the North of England and Scotland.

HAVING FOUND THE PROCESS TO BE SMOOTH AND EFFICIENT AND THE END PRODUCT TO BE OF THE HIGHEST QUALITY, AXMINSTER WILL CONTINUE TO BE A VALUABLE PARTNER IN THE CREATION OF NEW CARPET DESIGNS

DAVID GORDON DIRECTOR DGDESIGN

Working closely with DGDESIGN in Derby, the new carpet brings a contemporary feel through the use of an on-trend geometric pattern using shades of blue that catch the eye and perfectly compliment the first class leather and standard fabric seats.





### Northern *Rail*

Axminster Carpets were delighted to supply all the carpet for Northern's Class 170 and 158 fleet update.

Drawing on esteemed experience and unrivalled innovation across the transport sector, Axminster Carpets service the largest rail operators with the most precise requirements, now accounting for the majority of all woven train carpet.

WE SELECTED AXMINSTER CARPETS DUE TO THEIR QUALITY, DURABILITY AND NATURAL WOOL CREDENTIALS AS WELL AS THEIR ABILITY TO DELIVER THE DESIGN REQUIRED

JENNY DEMPSEY REFURBISHMENT PROJECT MANAGER NORTHERN

Crafted from a premium wool blend, an Axminster carpet offers exceptional resilience suited to high-traffic area. Aesthetically the linear design works to accentuate the footway and the dual blue/yellow colouring compliments the general carriage colour scheme.

4xminster CAPPETS

### Axminster have been a key partner in our Fleet Refurbishment Programme supplying product for our 170 and 158 fleets with our customers seeing an improved interior product

ANDREW MARDEN ROLLING STOCK PROGRAMME MANAGER NORTHERN RAIL

### Great Western *Railway*

Axminster Carpets were thrilled to revisit the iconic intercity 125 trains, that have served Great Western Railway for many years, having previously been fitted with Axminster carpets around 14 years ago. Popular with passengers, the project involved the makeover of 12 faithful trains.

IN THE TWENTY YEARS WE HAVE BEEN USING AXMINSTER FOR OUR CARRIAGES' CARPETS, WE'VE ONLY HAD GREAT EXPERIENCES

Using the latest Great Western Railway stripe design, this project brings the dozen Castle Class trains in line with the recently updated GWR Class 165, Class 166, Class 158 and Class 387 Electrostar.





### Transport for *Wales*

Axminster Carpets worked with DG8 Design in Derby to refurbish the fleet they took over from Arriva Trains Wales. We refreshed 24 Class 158/159 trains and the 27 Alstom Class 175 fleet, replacing the previously fitted Axminster carpets we fitted over 10 years ago.

WE CHOSE TO USE AXMINSTER'S NATURAL UNDYED YARN TO CREATE THE CARPET BASE, WHICH GAVE US NOT ONLY THE COLOUR AND TEXTURE THAT WE WERE LOOKING FOR, BUT ALSO GREAT SUSTAINABILITY WHICH IS KEY TO BOTH OURSELVES AND OUR CLIENTS

GEMMA DAVIES DG8 DESIGN

This overhaul project saw the first undyed, natural wool yarn used on rail, with both the background and pattern utilising the more natural option.



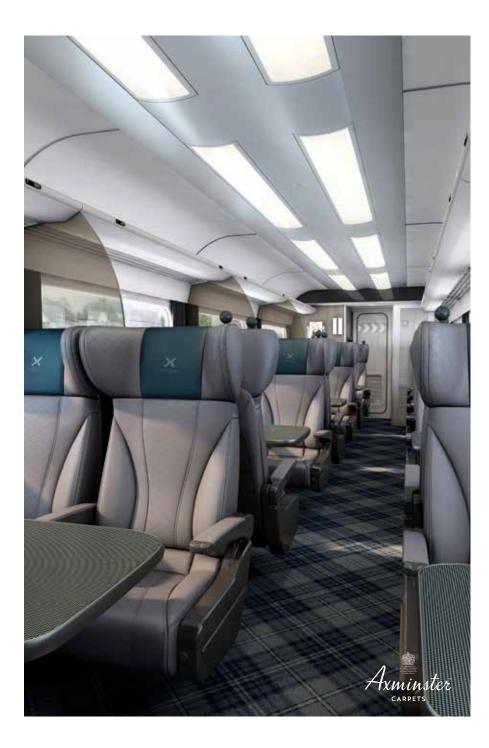
#### Scotrail

Axminster Carpets worked alongside DG Design to create a standout refurbishment of ScotRail's Inter7city high speed trains.

THE FINAL TRAINS ARE TESTAMENT TO THE PRIDE, ATTENTION TO DETAIL AND QUALITY INHERENT IN EVERYTHING AXMINSTER DOES. THIS IS WHY THEY'VE BECOME A NATURAL FIRST CHOICE FOR US WHEN DEVELOPING ANY NEW TRANSPORTATION CARPETS

DAVID GORDON DIRECTOR DGDESIGN

The 17 five car trains were refreshed to create a new, comfortable experience for passengers travelling on longer routes of the Scotrail network. An enhanced design brought the revived fleet to life.



Axminster provided us with a very quick turnaround of samples, along with great support and design assistance throughout the Class 153 project. They have created a beautiful product that is the feature of the saloon interior

> GEMMA DAVIES DG8 DESIGN

### Belmond British *Pullman*

Axminster Carpets were proud to have been involved in the recent renovation of the Belmond British Pullman, a luxury train operation around the British countryside.

Drawing on expert insight in the transport industry and esteemed hospitality experience, Axminster Carpets worked closely with JPA Design to develop a bespoke carpet for the renowned Phoenix carriage.

THERE ARE MANY CARPET SUPPLIERS ON THE MARKET BUT NOT MANY OF THEM CAN UNITE RAILWAY STANDARDS WITH HOSPITALITY QUALITY AND SMALL BESPOKE DESIGN QUANTITY ORDER

JU-WEICHEN LEAD DESIGNER JPA

In line with the design brief the carpet pattern unites Art-Deco influence with modern energy, finished by a sumptuous 80% wool / 20% nylon blend. The finished results are spectacular.



#### Technical specification - 5121

Construction	Wilton Woven Cut Pile
Pile yarn	80/20 Wool/Nylon
Backing components	Jute, Co/Pe, Polypropylene
Number of shots	2
Pile weight +- 5%	1887 g/m <sup>2</sup>
Total carpet weight +- 10%	2718 g/m <sup>2</sup>
Number of frames	4
Total carpet thickness +- 10%	9.8mm
Gauge/pitch	315/m
Rows	393/m
Tuft density +- 5%	123,795/m <sup>2</sup>
Width +- 1.25%	Available in various widths
Flammability BS6853:1999 Fire - ISO 9239/1:2010 EN45545-2 * Smoke BS6853:1999 Appendix D, Clause D.8.6	>7.5kw Radiant Flux >8.0 kw Radiant Flux / HL3
EN4554-2 Annex C 'T10.03'*	HL3
Toxic fume BS6853:1999 Annex B.2 EN45545-2 'T11.02' *	1A HL3
Suitability	Rail Applications





Axminster (Contracts) Ltd Axminster, Devon, EX13 5PQ 09

> **EN 14041** Wilton Woven Cut Pile 80% Wool 20% Nylon Rail Application 5121

Reaction to fire: Class Ca - S1 (see EN14041, Table 3) Slipperiness: NPD Formaldehyde: E1

\*EN45545-2 Test carried out as a composite with steel and adhesive

#### General information

Colour match	Due to batch variations in dye lots, an exact match for colour between different widths, qualities and samples cannot be guaranteed
Fitting	All carpets should be professionally fitted in accordance with BS5325
Storage. handling, installation & maintenance	Our Rail Carpet Care Manual (D262) is available on request
Warranty	7 years, subject to compliance with the terms of our Storage, Handling, Installation & Maintenance manual. This reduces to 6 years if a trolley service is used
Shading, pile pressure or pile reversal	These are natural characteristics of all cut pile fabrics. This is especially noticeable on plain and tonal shades or open ground designs and is the result of pressure causing a change in the direction of the pile, giving light and dark patches, accentuated by local lighting. This does not affect the quality or life of the carpet and is not a fault of manufacture. The regular use of an upright cleaner will help to alleviate this effect
Specification amendments	The company is continually striving to improve our products and reserves the right to substitue raw materials as necessary

#### Technical specification - 5129

Construction	Wilton Woven Cut Pile
Pile yarn	80/20 Wool/Nylon
Backing components	Jute, Co/Pe, Polypropylene
Number of shots	2
Pile weight +- 5%	1760 g/m <sup>2</sup>
Total carpet weight +- 10%	2563 g/m <sup>2</sup>
Number of frames	4
Total carpet thickness +- 10%	9.6mm
Gauge/pitch	315/m
Rows	355/m
Tuft density +- 5%	111,825/m <sup>2</sup>
Width +- 1.25%	Available in various widths
Flammability BS6853:1999 Fire - ISO 9239/1:2010 EN45545-2 *	>7.5kw Radiant Flux >8.0 kw Radiant Flux / HL3
Smoke BS6853:1999 Appendix D, Clause D.8.6 EN4554-2 Annex C *	1A HL3
Toxic fume BS6853:1999 Annex B.2 EN45545-2 'T11.02' *	1A HL3
Suitability	Rail Applications

\*EN45545-2 Test carried out as a composite with plywood and velcro

#### General information

Colour match	Due to batch variations in dyc lots, an exact match for colour between different widths, qualities and samples cannot be guaranteed
Fitting	All carpets should be professionally fitted in accordance with BS5325
Storage. handling, installation & maintenance	Our Rail Carpet Care Manual (D262) is available on request
Warranty	5 years, subject to compliance with the terms of our Storage, Handling, Installation & Maintenance manual. This reduces to 4 years if a trolley service is used
Shading, pile pressure or pile reversal	These are natural characteristics of all cut pile fabrics. This is especially noticeable on plain and tonal shades or open ground designs and is the result of pressure causing a change in the direction of the pile, giving light and dark patches, accentuated by local lighting. This does not affect the quality or life of the carpet and is not a fault of manufacture. The regular use of an upright cleaner will help to alleviate this effect
Specification amendments	The company is continually striving to improve our products and reserves the right to substitue raw materials as necessary





Axminster (Contracts) Ltd Axminster, Devon, EX13 5PQ 09

> EN 14041 Wilton Woven Cut Pile 80% Wool 20% Nylon Rail Application 5129

Reaction to fire: Class Cn - S1 (see EN14041, Table 3) Slipperiness: NPD Formaldehyde: E1

#### Technical specification - 5128

Construction	Wilton Woven Cut Pile
Pile yarn	80/20 Wool/Nylon
Backing components	Jute, Co/Pe, Polypropylene
Number of shots	2
Pile weight +- 5%	1150 g/m <sup>2</sup>
Total carpet weight +- 10%	1790 g/m <sup>2</sup>
Number of frames	3
Total carpet thickness +- 10%	7.0mm
Gauge/pitch	315/m
Rows	315/m
Tuft density +- 5%	99,225/m <sup>2</sup>
Width +- 1.25%	Available in various widths
Flammability ISO 9239/1:2010 EN45545-2 *	>7.0kw Radiant Flux >6.0 kw Radiant Flux / HL2
Smoke EN4554-2 Annex C 'T10.03' *	HL2
Toxic fume EN45545-2 'T11.02' *	HL2
Suitability	Rail Applications





Axminster (Contracts) Ltd Axminster, Devon, EX13 5PQ 09

> **EN 14041** Wilton Woven Cut Pile 80% Wool 20% Nylon Rail Application 5128

Reaction to fire: Class Cn - S1 (see EN14041, Table 3) Slipperiness: NPD Formaldehyde: E1

\*EN45545-2 Test carried out as a composite with plywood and velcro

#### General information

Colour match	Due to batch variations in dye lots, an exact match for colour between different widths, qualities and samples cannot be guaranteed
Fitting	All carpets should be professionally fitted in accordance with BS5325
Storage. handling, installation & maintenance	Our Rail Carpet Care Manual (D262) is available on request
Warranty	3.5 years, subject to compliance with the terms of our Storage, Handling, Installation & Maintenance manual. This reduces to 2.5 years if a trolley service is used
Shading, pile pressure or pile reversal	These are natural characteristics of all cut pile fabrics. This is especially noticeable on plain and tonal shades or open ground designs and is the result of pressure causing a change in the direction of the pile, giving light and dark patches, accentuated by local lighting. This does not affect the quality or life of the carpet and is not a fault of manufacture. The regular use of an upright cleaner will help to alleviate this effect
Specification amendments	The company is continually striving to improve our products and reserves the right to substitue raw materials as necessary

