

Product specifications



SCIENCE
BASED
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION





Vita Comfort UK

Founded in 1949 on £100 capital, Vitafoam started its original operation manufacturing latex foam products in Oldham, Greater Manchester. After establishing the business, the company made a major move to its current site in Middleton, Manchester in 1955, acquiring two empty former cotton mills to cope with increased demand.

Vita's Comfort UK is part of The Vita Group, one of Europe's leading flexible foam solutions providers. Our UK division manufactures and converts polyurethane foam focusing on bedding, upholstery, and medical markets.

Three Facilities

Vita's Comfort UK consists of two foaming block CPT and RevoSport shockpad plants in Middleton, Two conversion sites in Dukinfield and Bedford, UK. Our Middleton plant is home to our Innovation Centre.

The Bedding Innovation Centre built at Vita's Middleton site combines our technical expertise in foam chemistry with the latest state-of-the-art testing equipment and systems. The facility is specifically designed to provide our customers with the ability to follow a complete development program, from initial concept to finished foam core, providing an exceptional customer experience. Our hi-tech conversion sites in Dukinfield and Bedford can fabricate and cut products to customers' requirements and specifications involving operations such as rotary slitting, computer-controlled profiling, fabrication and cushion manufacturing.



Vita Middleton

Home to the Comfort Innovation Centre, Vita Middleton manufactures polyurethane foam, focusing on bedding, upholstery, medical, industrial, packaging, acoustic, and sports markets. The foam we produce at Middleton has a wide range of applications as diverse as underlay, vibration dampening, and sound deadening. Our extensive range of foam grades adheres to all the required legislative and industry regulations and with the development of our state-of-the-art Innovation Centre we have the facility to test all our foams on site.

Our commercial, operational, and logistics teams fully understand our industry's demands and work to offer products and services that meet the exacting needs of each market sector we supply. In partnership with our commercial team, our technical department continually discusses ways to develop and innovate to meet current and future needs.

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Vita Bedford & Dukinfield

Vita's state-of-art UK conversion operations specialise in converting our extensive foam grade portfolio. Our conversion operations support and supply a wide sector of customers from high volume to medium more complex manufacturers.

Operating multiple horizontal CNC cutting lines enables us to achieve complex three-dimensional shapes whilst our CNC vertical cutting lines facilitate large volume with continuous precision cutting. Vita conversion works closely with the innovation centre assisting with the development and promoting of both circular and sustainable foam products to the market.

Our highly experienced R&D departments work in partnership with customers allowing for faster and more efficient development of components for all the markets we serve. We pride ourselves on precision fabrication of products using Vita Liquid Polymers water-based latex adhesive removing the requirement for solvent based adhesives and harm to the environment. All the products produced through our conversion facilities have full traceability to the raw materials used and products can also be provided in a kit. Vita encourages customers to bring their products to site for development and value analysis projects where a dedicated team are available to assist.



- Vita Dukinfield produces premium grade hollow polyester fibre cushioning in a variety of covers to suit the application.
- Vita Bedford manufacturers the FIRA Gold certified Primalux cushion range combining sustainable Origin Bio Foam with a variety of recycled foams for seating and back cushions.

Vita Bedford

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Vita Dukinfield

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Testing methods

ISO 845

Density

ISO 2439 B 40%

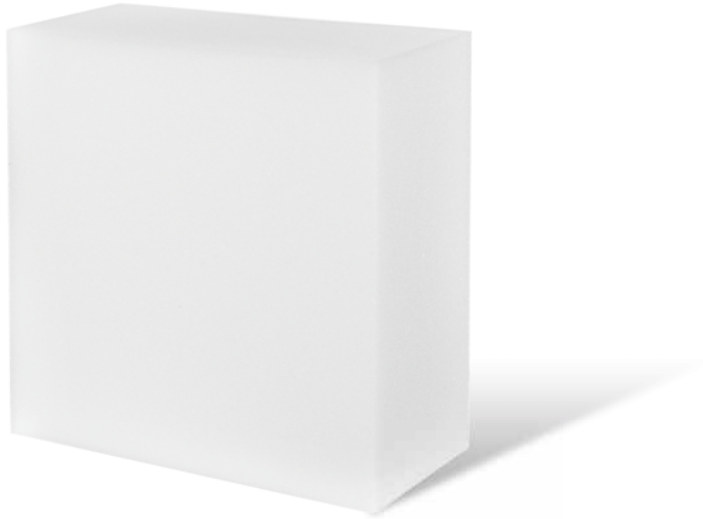
Indentation hardness

Additionally all grades are compliant with Schedule 1 Part 1 Furniture and Furnishings (Fire)(Safety) Regulations.



Our foams

- Reflex foam	8
- Vasco foam	10
- Revo foam	12
- FRee foam	14
- Origin foam	16
- Novus foam	18
- Reflexion foam	20



reflex[™]

Reflex foam

Vita Reflex[™] PU foam is a well-established premium range of CM Ether foams. It is used within the bedding, furniture, and upholstery industries. Vita's combination of chemistry, process manufacturing, customer service, and logistical knowledge makes us a world-leading flexible foam supplier of choice. The Vita Reflex[™] range of foams includes densities between 24 kg/m³ and 65 kg/m³ and can offer superior durability, recovery, and service life of products.

Application

- Furniture
- Bedding

Specifications

Grade	Product Group Description	Density min (kg/m ³)	Density max (kg/m ³)	Hardness min (N)	Hardness max (N)	Colour
RF24 60	CM Ether	24	26	50	70	White
RF24 85	CM Ether	24	26	50	70	Black
RF24 130	CM Ether	23	25	115	150	White
RF25 130	CM Ether	27	29	140	170	Grey
RF28 155	CM Ether	27	29	140	170	Grey
RF30 105	CM Ether	29	31	90	120	White
RF30 130	CM Ether	29	31	90	120	White
RF33 115	CM Ether	31	34	100	130	Green
RF33 160	CM Ether	32	34	130	160	White
RF33 175	CM Ether	32	34	155	195	Blue
RF36 105	CM Ether	35	37	90	120	White
RF36 135	CM Ether	34	37	110	140	Beige
RF38 200	CM Ether	38	40	180	220	Blue
RF39 120	CM Ether	38	40	100	140	Orange
RF40 145	CM Ether	40	42	130	160	Grey
RF50 135	CMHR	50	52	120	155	Orange
RF50 215	CM Ether	48	52	210	250	White
RF65 265	CM Ether	65	68	240	295	White



Vasco foam

Vasco™ memory foam meets industry compliance, regulation, and safety standards and is designed to meet the stringent requirements of the bedding and upholstery sector.

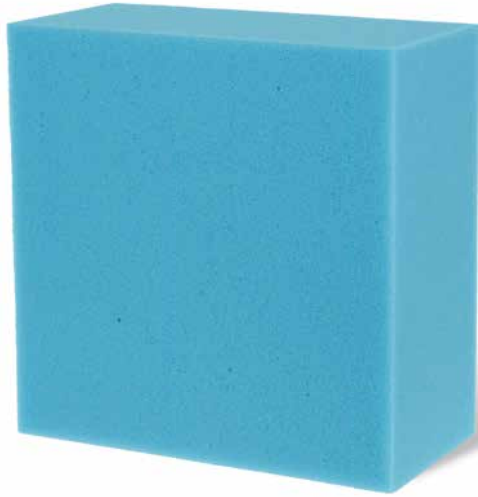
With a range of densities and non-temperature sensitive products, Vita Vasco™ remains a popular foam within the bedding industry.

Application

- Bedding
- Furniture
- Medical

Specifications

Grade	Product Group Description	Density min (kg/m ³)	Density max (kg/m ³)	Hardness min (N)	Hardness max (N)	Colour
FV50 055	TCP Free Visco CM	48	52	40	70	Cream
VS40 65	Viscoelastic CM Ether	38	42	60	90	Yellow
VS50 80	Viscoelastic CM Ether	48	52	70	100	White
VS60 115	Viscoelastic CM Ether	58	62	100	130	Blue
VS60 70	Viscoelastic CM Ether	57	61	60	90	White



revo

Revo foam

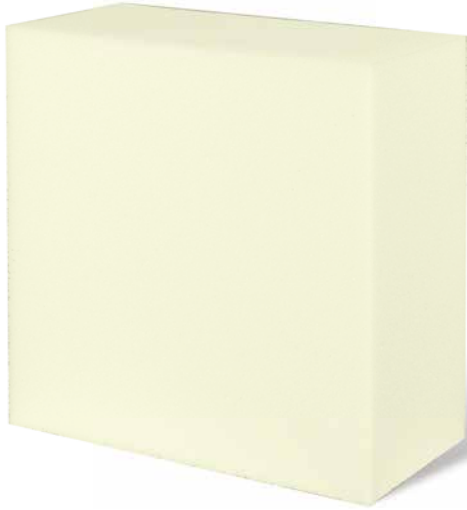
In the pursuit of a more comfortable night's sleep, consumers have requested a mattress that provides a mattress experience that creates a cooler environment. The innovation team at Vita Comfort UK has developed Revo a revolutionary cool sleep concept.

Application

- Healthcare seating
- Specialised seating
- Medical bedding
- Comfort bedding

Specifications

Grade	Product Group Description	Density min (kg/m ³)	Density max (kg/m ³)	Hardness min (N)	Hardness max (N)	Colour
FG50 80	Graphite CM ReVo	50	53	70	100	Lt Grey
BR50 80	Bamboo CM Revo	50	53	70	100	White
FR50 125	Revo - Latex feel CMHR	50	53	90	130	Light Blue
FR50 80	Revo - CM High Resilience	50	53	70	100	White



FRee foam

Vita Comfort UK continues to innovate products that support the furniture and bedding industry. Our product FRee™ is a TCPP-free combustion modified ether (CME) foam.

FRee™ has improved environmental credentials compared to traditional foam, has a clean and fresh feel, boasts an enhanced recovery time, and is fully compliant with UK flammability regulations. In addition, it shows reduced scorch in the foam block.

Application

- Bedding
- Furniture
- Industrial

Specifications

Grade	Product Group Description	Density min (kg/m ³)	Density max (kg/m ³)	Hardness min (N)	Hardness max (N)	Colour
FE24 130	CM Ether (Cot Foam)	23	26	115	150	White
FE30 105	TCPP Free CM	29	31	90	120	White
FE33 160	TCPP Free CM	32	34	125	155	White
FE33 175	TCPP Free CM	32	34	155	195	Blue
FE36 105	TCPP Free CM	35	37	90	120	White
FE36 135	TCPP Free CM	32	34	155	195	Beige



origin

Origin foam

Origin™ is a new generation of sustainable foams, each one using increased renewable content with less reliance on petrochemicals. Vita Origin's™ product range is an award-winning new generation of sustainable foams. All Origin™ products contain sustainably sourced plant-based polyol as an alternative to petrochemical-based feedstocks.

Application

- Bedding
- Furniture

Specifications

Grade	Product Group Description	Density min (kg/m ³)	Density max (kg/m ³)	Hardness min (N)	Hardness max (N)	Colour
OR33 160	Origin CM Ether	23	25	115	150	White
OR39 120	Origin CM Ether	38	40	130	160	Orange



Novus foam

The Vita Group manufactures square and round reconstituted foam blocks constructed through a process of bonding granulated post-industrial foam waste. We process our off-cuts into rebonded foam. In this process, the foam off-cuts are reduced to flakes, then bonded with a binding system with a polyurethane base and formed under pressure. Applications include mattresses, underlay, furniture, reinforcement foam, and more.

Application

- Bedding
- Furniture
- Sports
- Underlays

Specifications

Name	Test Procedure	Density (kg/m ³)
NOVUS 4 cm	BS EN ISO 845:1995	64 ± 10
NOVUS 5 cm	BS EN ISO 845:1995	80 ± 10
NOVUS 6 cm	BS EN ISO 845:1995	96 ± 10
NOVUS 7 cm	BS EN ISO 845:1995	112 ± 10
NOVUS 8 cm	BS EN ISO 845:1995	128 ± 10
NOVUS 9 cm	BS EN ISO 845:1995	144 ± 10
NOVUS 10 cm	BS EN ISO 845:1995	160 ± 10
NOVUS 12 cm	BS EN ISO 845:1995	192 ± 10
NOVUS 14 cm	BS EN ISO 845:1995	224 ± 10



reflexion

Reflexion foam

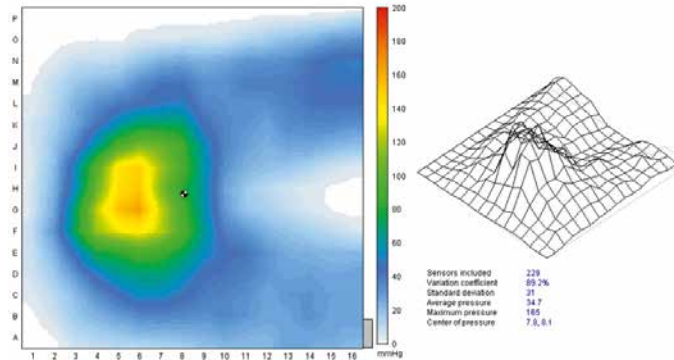
Reflexion™ is specifically designed for use in contract and healthcare applications where occupants are seated or laying for long periods of time. Developed in conjunction with the medical profession, it delivers increased user comfort through improved body posture, alignment, and correct emersion. Reflexion works by absorbing compression, increasing emersion, and redistributing pressure away from critical areas whilst delivering ultimate comfort. Reflexion conforms to each individual user's shape and weight in every application.

Application

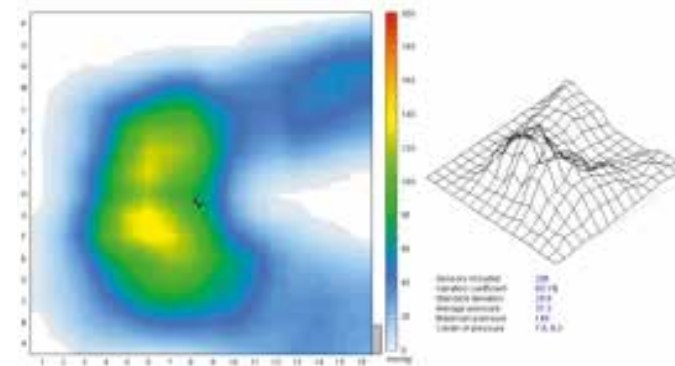
- Application
- Medical seating
- Bedding
- Furniture

Specialised medical seating solution

Each new Reflexion product is verified using pressure mapping equipment. Digital images and results can be provided to the customer to catalogue the unique pressure mapping results and can be used in marketing materials. Due to the clinical evaluations and testing undertaken the Reflexion product can only be purchased from a Vita Bedford or Vita Dukinfield to ensure continuity of performance. Some example pressure maps below.



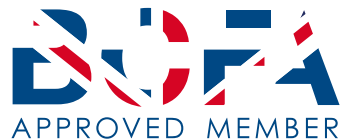
Conventional PU foam seat cushions



Reflexion seat cushions

Trade memberships

For Vita Comfort UK



Innovation Centre

At Vita, we believe incredible brands can change their culture and set industry standards that others try to emulate. Our brands include, amongst others, Reflex, Novus, Reflexion, Revo, FRee, and the latest from our stable is Origin foam. Each product is renowned for its performance, consistent quality and enhanced customer intimacy.

Vita Comfort UK remains at the vanguard of innovation and sustainable initiatives for the furniture and bedding industry. Focusing on the innovation for bedding and furniture products. Significant investment in people and infrastructure has equipped us to monitor all aspects of a comfortable night's sleep, including durability, spinal alignment, quality, temperature, and humidity, so each can be calibrated and mattresses refined to create the ultimate product.

The Bedding Innovation Centre built at Vita's Middleton site combines our technical expertise in foam chemistry with the latest state-of-the-art testing equipment and systems. The facility is specifically designed to provide its customers with the ability to follow a complete development program, from initial concept to finished foam core, providing

an exceptional customer experience. In recent years, Vita Comfort UK has delivered significant innovative products. These include Revo, its cool sleep concept for the bedding industry that was developed to create a foam with high airflow and maintain a stable temperature environment for the sleeper while giving the support of a spring mattress.



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