



MATTRESS MATERIAL AND CONSTRUCTION GUIDE

A refined product reference covering the materials, layers, support systems and construction details across the supplied Avalon mattress range.

MATERIALS

FOAM SYSTEMS

Memory foam, gel memory foam, charcoal-infused foam and support foam.

LAYER BUILD

SPRING SYSTEMS

Pocket coils and Bonnell coils with stated wire and support details.

PRODUCT RANGE

FABRIC & BASE

Tencel, breathable fabrics, nonwoven and nonslip base materials.

Source discipline: Product names, dimensions, densities, materials and stated benefits in this guide are based on the supplied Avalon product documents.

01 | THE AVALON RANGE

Six constructions. Different comfort and support architectures.

Lilly 10 inch Pocket Coil + Gel Memory Foam 1cm gel memory foam • 18cm pocket coils	Mattress King 12 inch Advanced Memory Foam + Pocket Coil 2cm memory foam • 22cm pocket coils
Celeste 8 inch Tencel + Charcoal Memory Foam 5cm charcoal memory foam • 15cm support foam	Prada 8 inch Dual-Sided Gel + Charcoal Support Gel memory foam + charcoal support + convoluted foam
Elita 8 inch Bonnell Coil + Multi-Layer Foam Multi-layer foam • 18cm Bonnell coil	Belle 6 inch Comfort Foam + Support Foam 5cm comfort foam • 10.5cm support foam

Construction vocabulary

MEMORY FOAM Contouring & pressure relief	POCKET COILS Individualised support & motion control	BONNELL COILS Robust traditional support	CHARCOAL Odour & moisture-control feature
---	---	---	--

02 | LILLY

Lilly

Ultimate Comfort Pocket Coil Mattress with Gel Memory Foam

CONSTRUCTION

1cm gel memory foam + multi-layer foam + 18cm pocket coil support.

10 IN

MATTRESS

LAYER ARCHITECTURE

Gel Memory Foam · 1cm · 38 Density

Foam · 2cm · 20 Density

Convolutd Foam · 3.8cm · 22 Density

Pocket Coil System · 18cm · 2 / 2.15mm coils

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Fabric cover	Soft, breathable, durable	Air circulation and cool comfort
Gel memory foam	1cm · 38 density	Body contouring, pressure relief and heat dissipation
Foam	2cm · 20 density	Plushness and cushioning
Convolutd foam	3.8cm · 22 density	Airflow, pressure relief and support
Pocket coils	18cm · 2 / 2.15mm	Individual support and reduced motion transfer
Border rod	Coil reinforcement	Enhanced edge support
Nonwoven base	Protective / stable	Stability and durability

KEY PRODUCT FEATURES

✓ Gel-assisted comfort	✓ Individual pocket support
✓ Airflow through convoluted foam	✓ Edge reinforcement

03 | MATTRESS KING

Mattress King

Ultimate Comfort Pocket Coil Mattress with Advanced Memory Foam

CONSTRUCTION

Advanced memory foam layers combined with a 22cm pocket coil support system.

12 IN

MATTRESS

LAYER ARCHITECTURE

Memory Foam · 2cm · 38 Density

Foam · 2cm · 20 Density

Convoluted Foam · 4cm · 20 Density

Foam Support · 2cm · 24 Density

Pocket Coil System · 22cm · 2.3mm coils

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Premium fabric cover	Soft and breathable	Air circulation and comfort
Memory foam	2cm • 38 density	Body contouring and pressure relief
Foam	2cm • 20 density	Plushness and cushioning
Convoluted foam	4cm • 20 density	Airflow and support
Foam support layer	2cm • 24 density	Additional structure and shape support
Pocket coils	22cm • 2.3mm	Independent movement and targeted support
Border rod	Coil reinforcement	Enhanced edge support
Nonwoven base	120g	Stability and protection

KEY PRODUCT FEATURES

✓ Advanced foam layering	✓ 22cm pocket coil support
✓ Airflow-oriented convoluted layer	✓ Edge reinforcement

04 | CELESTE

Celeste

Luxurious Tencel Fabric Mattress with Charcoal Memory Foam

CONSTRUCTION

5cm charcoal memory foam over a 15cm high-density support foam core.

8 IN

MATTRESS

LAYER ARCHITECTURE

Charcoal Memory Foam · 5cm · 45 Density

Support Foam · 15cm · 30 Density

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Tencel fabric cover	Eco-friendly, soft, breathable	Moisture wicking and temperature regulation
Charcoal memory foam	5cm • 45 density	Pressure relief, support and odour/moisture-control feature
Support foam	15cm • 30 density	Spinal support and shape retention
Non-slip fabric base	Secure and stable	Reduces unwanted movement

KEY PRODUCT FEATURES

✓ Tencel comfort surface	✓ 45D charcoal memory foam
✓ 15cm support core	✓ Stable nonslip base

The supplied document states that the charcoal-infused memory foam is intended to help control odour and moisture.

05 | PRADA

Prada

Dual-Sided Premium Mattress with Gel & Charcoal Support

CONSTRUCTION

Two usable surfaces: a gel memory foam side and a convoluted foam side over charcoal-infused support.

8 IN

MATTRESS

LAYER ARCHITECTURE

Gel Memory Foam Side · 4cm · gel-infused

Charcoal-Infused Support · 13.5cm · 25 Density

Convoluted Foam Side · 5cm · 24 Density

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Fabric cover	Soft, breathable, durable	Air circulation and modern appearance
Gel memory foam	4cm	Pressure relief and heat dissipation
Charcoal-infused foam	13.5cm • 25 density	Support, durability and odour/moisture-control feature
Convoluted foam	5cm • 24 density	Airflow, breathability and pressure relief
Dual-sided design	Two usable surfaces	Different feel and airflow characteristics
Fabric base	Non-slip / protective	Stability and wear protection

KEY PRODUCT FEATURES

✓ Two usable sides	✓ Gel comfort surface
✓ Convoluted airflow surface	✓ Charcoal support core

The supplied document states that regular flipping can promote even wear and help extend mattress life.

06 | ELITA

Elita

Premium Support Bonnell Coil Mattress with Multi-Layer Foam

CONSTRUCTION

Multi-layer foam cushioning above an 18cm Bonnell coil support system.

8 IN

MATTRESS

LAYER ARCHITECTURE

Foam Layers · 3 × 1cm · 22 Density

Foam Support · 3cm · 25 Density

Bonnell Coil System · 18cm · 2.15mm + border rod

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Premium fabric cover	Soft and breathable	Air circulation and comfort
Foam layers	3 × 1cm · 22 density	Soft cushioning and pressure relief
Foam support	3cm · 25 density	Firmer support and stability
Bonnell coil system	18cm · 2.15mm	Robust support and spinal alignment
Border rod	Coil reinforcement	Additional edge support
Nonwoven base	Protective / stable	Stability and durability

KEY PRODUCT FEATURES

✓ Balanced cushioning	✓ Traditional Bonnell support
✓ Edge reinforcement	✓ Breathable cover

07 | BELLE

Belle

Premium Comfort Foam Mattress with Nonslip Fabric

CONSTRUCTION

5cm comfort foam over a 10.5cm support foam core with a nonslip base.

6 IN

MATTRESS

LAYER ARCHITECTURE

Comfort Foam · 5cm · 20 Density

Support Foam · 10.5cm · 24 Density

MATERIAL SPECIFICATION

MATERIAL / LAYER	DETAIL	FUNCTION / FEATURE
Premium fabric cover	Soft, breathable, durable	Air circulation and cool comfort
Comfort foam	5cm • 20 density	Plush cushioning and pressure-point relief
Support foam	10.5cm • 24 density	Firm support, alignment and shape retention
Nonslip fabric base	Secure and stable	Reduces movement and protects against wear

KEY PRODUCT FEATURES

✓ Soft comfort layer	✓ Supportive core
✓ Breathable surface	✓ Nonslip base

08 | MATERIAL COMPARISON

At-a-glance reference across the supplied Avalon constructions.

MODEL	COMFORT LAYER	SUPPORT CORE	SPECIAL FEATURE
Lilly 10"	1cm gel memory foam	3.8cm convoluted + 18cm pocket coils	Border rod + nonwoven base
Mattress King 12"	2cm memory foam	4cm convoluted + 2cm foam + 22cm pocket coils	120g nonwoven base
Celeste 8"	5cm charcoal memory foam	15cm support foam	Tencel + nonslip base
Prada 8"	4cm gel / 5cm convoluted	13.5cm charcoal support	Dual-sided construction
Elita 8"	3 × 1cm foam	3cm support + 18cm Bonnell coils	Border rod + nonwoven base
Belle 6"	5cm comfort foam	10.5cm support foam	Nonslip fabric base

AVALON
PREMIUM MATTRESS

5 YEARS WARRANTY
YOUR COMFORT MATTERS

Important: This document is a presentation guide created from the supplied product material documents. For technical manufacturing, packaging, regulatory or warranty use, the approved model-specific specification should be treated as the controlling source.