

RHEON

ARMOUR COLLECTION





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DESIGNED FROM INSIGHT

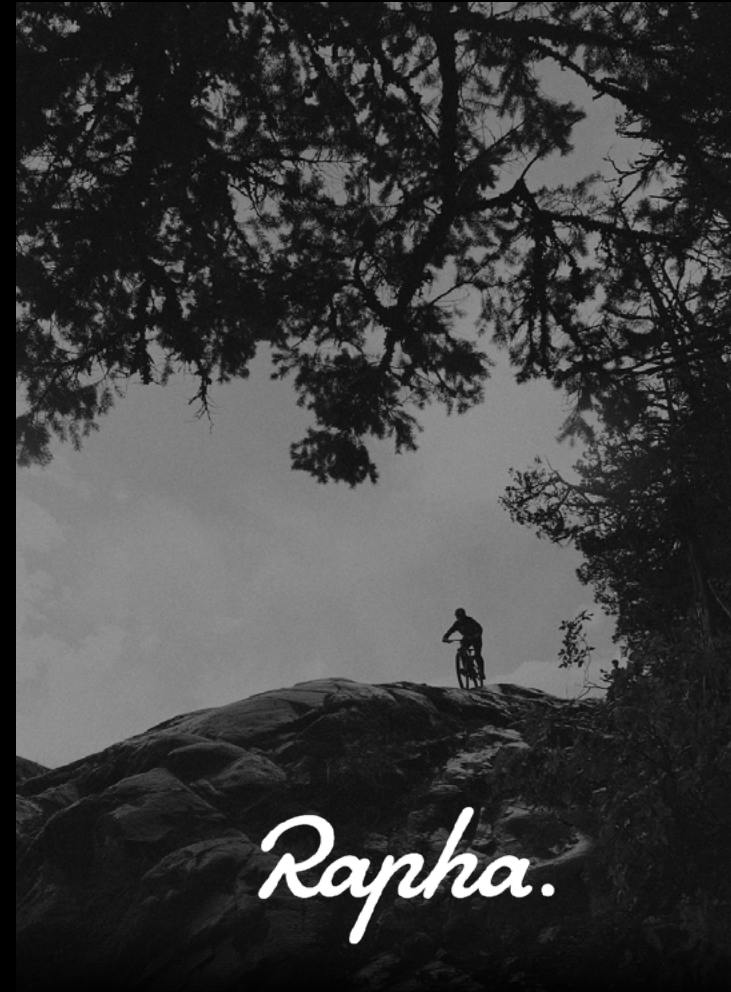
“We were hearing from users that they wanted armour that felt invisible to ride in, that would still perform when it was needed. So that’s what we set out to create.”

Paul Farrar
Product Manager, Armour Range

Featured Partners



Chromag's ethos is simple, to produce things that the staff want to use, day in, day out. They wanted to bring together the comfort of all-day riding with unrivalled protection. A kneepad that would be comfy enough to pedal in all day but provide significant protection for the way down. The result? A kneepad like no other - The Rift x RHEON.



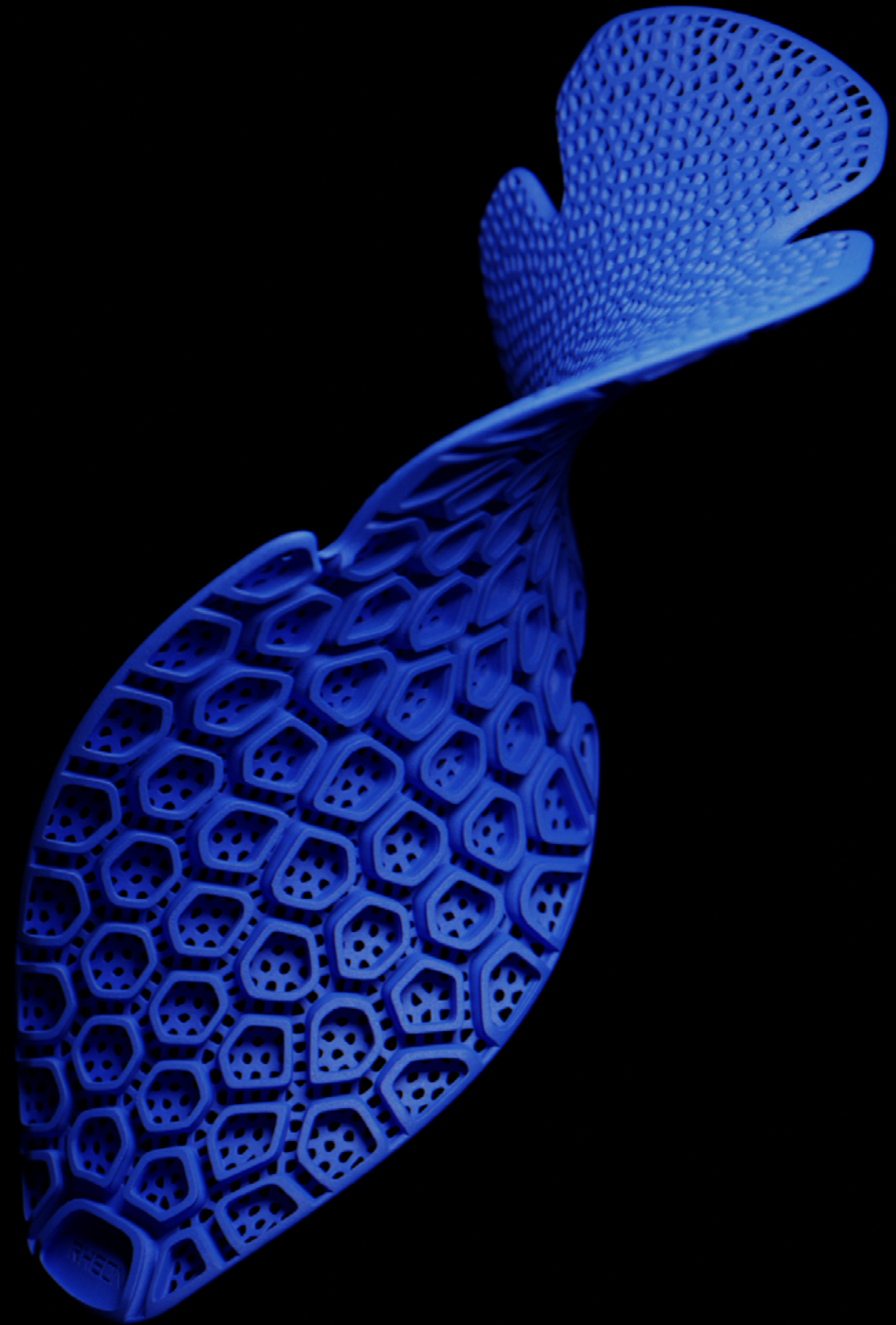
Combining Rapha's 15 years of garment design experience with the new era of energy-absorbing performance from RHEON, to create the most protective, most comfortable, most lightweight pad we could make. All whilst trying to make it feel invisible to ride in.

Made for the trails. Virtually disappearing on the climbs, but giving all the protection you need.

Light. Years ahead

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our Armour to be lighter, naturally.

Made using a unique form of 3D printing. Weighing in from only 40g.



Protection that doesn't feel like protection at all

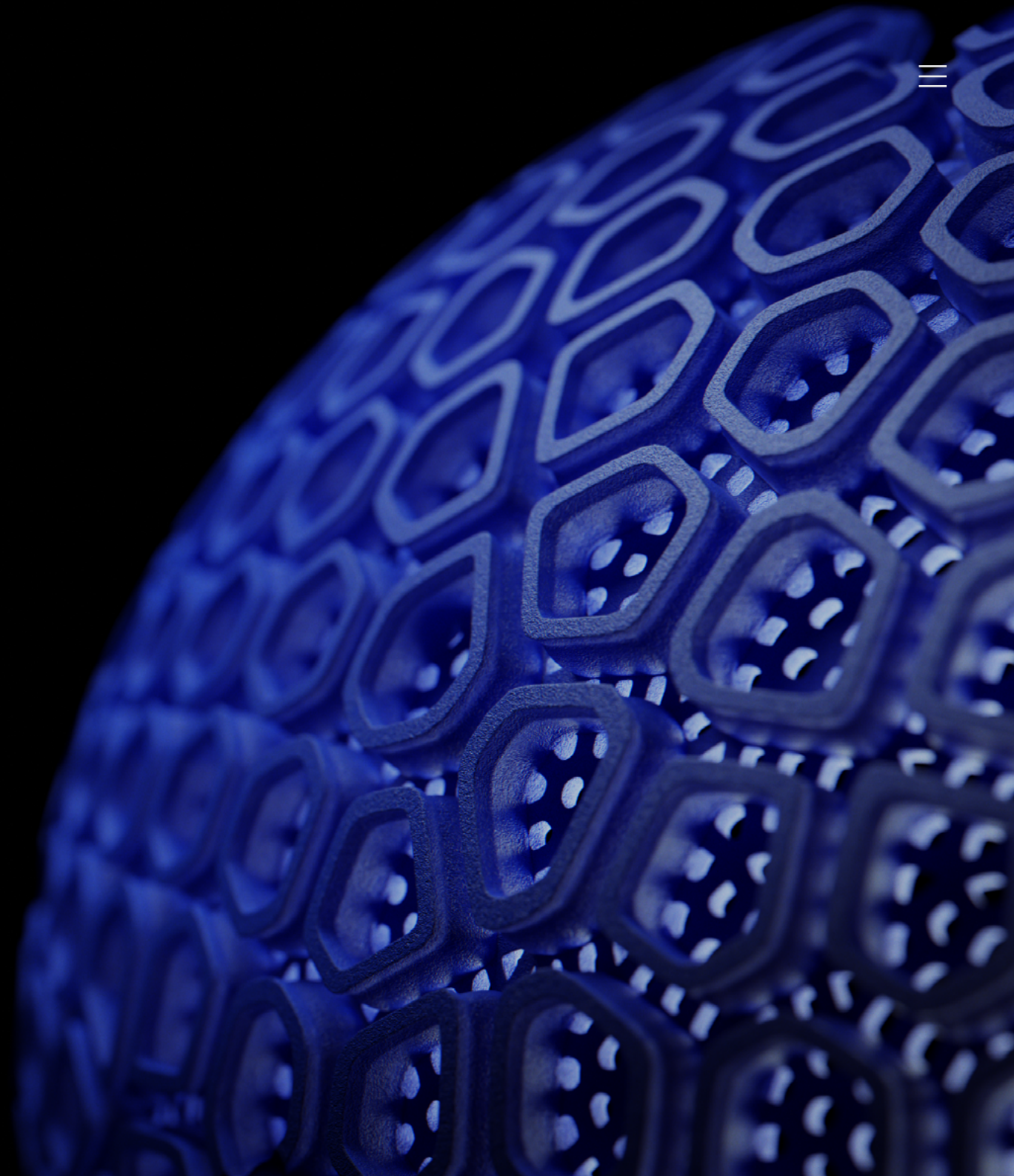
Engineered with RHEON™. Designed to flex to the curvature of the body for an adaptive fit like no other.

Giving impact protection exactly where it's needed, whilst maintaining total comfort.

Cool, even on the toughest of days

The unique cell packing allows air to flow naturally around the rider, making RHEON™ Armour the most breathable protection in the world.

So you can stay cool even on the toughest of days.



Intelligent Protection.

RHEON is an energy-absorbing super polymer. Soft & flexible in its natural state, it intelligently stiffens when subjected to force.

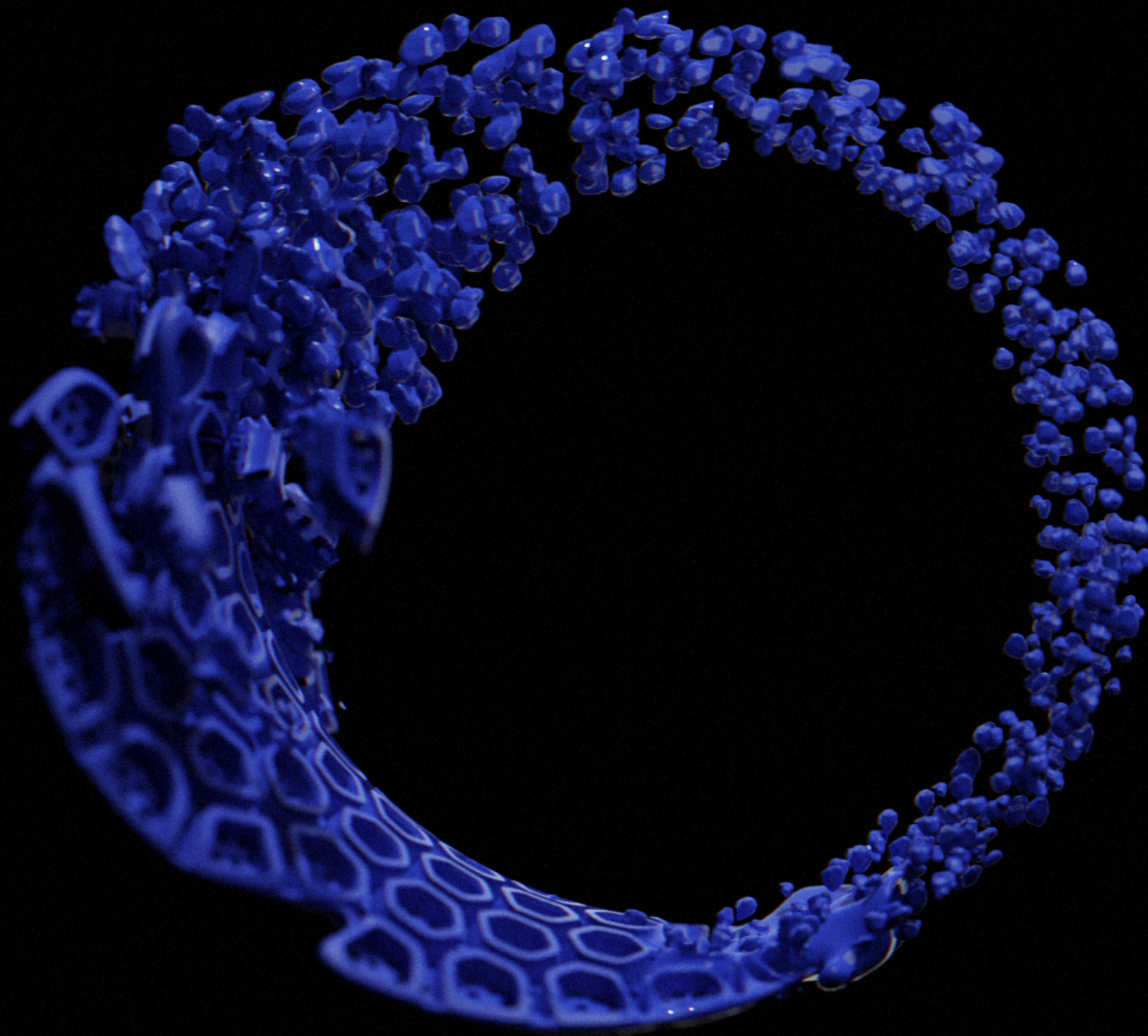
But it's more than that. It's an ecosystem of science, engineering and algorithmic design.

A reactive technology that's shaping a world of new performance properties.

Sustainability

Our mission is clear, to create a technology that leaves the lightest footprint on the environment as possible.

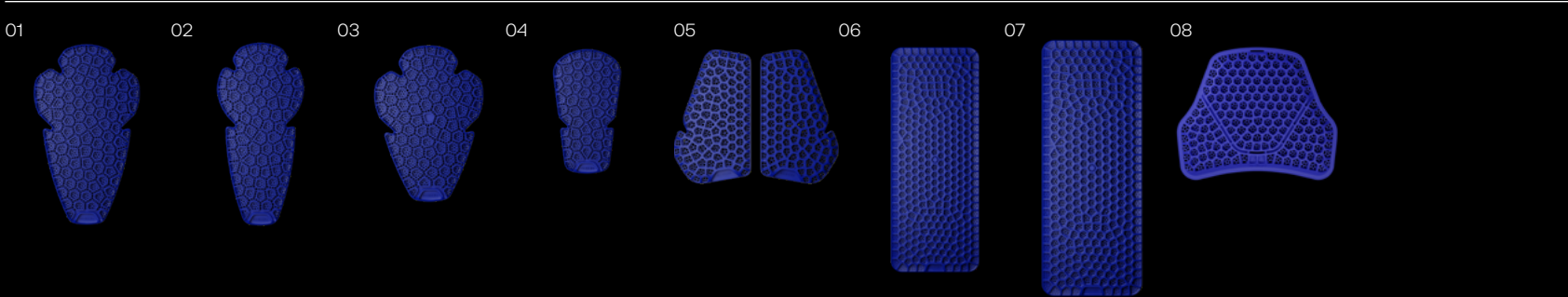
Thanks to our innovative chemistry, our pre-consumer waste is already finding new life as recycled protectors, all without sacrificing performance.



RANGES IN COLLECTION

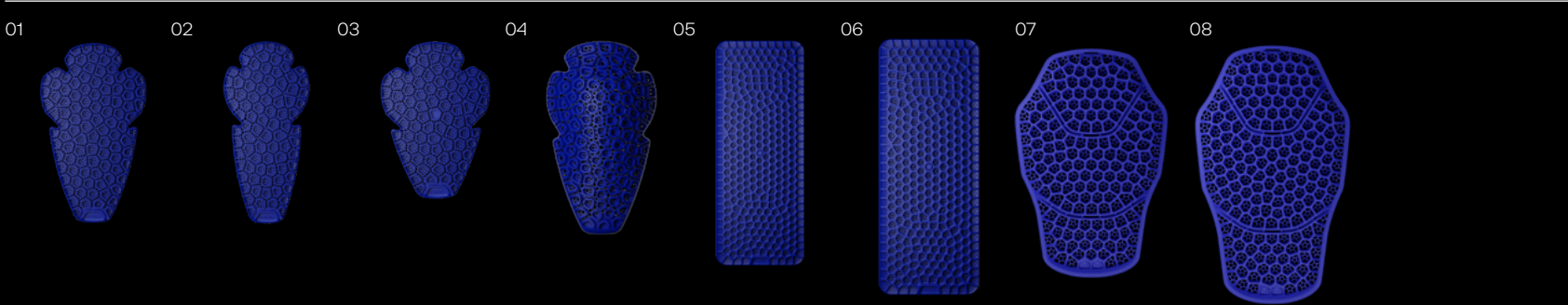
Level 1 Range

01	Knee Protector
02	Elbow Protector
03	Shoulder Protector
04	Hip Protector
05	Divided Chest Protector
06	Central Back Protector M/L
07	Central Back Protector XL
08	Full Chest Protector



Level 2 Range

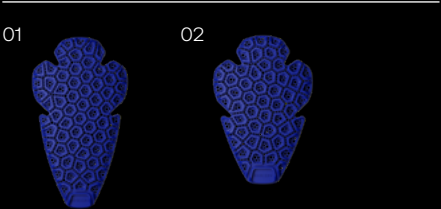
01	Knee Protector
02	Elbow Protector
03	Shoulder/Hip Protector
04	Curved Protector
05	Central Back Protector M/L
06	Central Back Protector XL
07	Full Back Protector S/M
08	Full Back Protector L/XL



RANGES IN COLLECTION

Level 1 Compact Range

01	Knee/Elbow Protector
02	Shoulder/Hip Protector



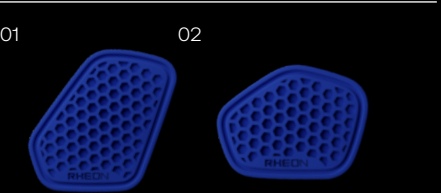
Glove Range

01	Knuckle Protector
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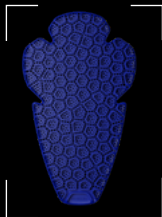
Footwear Range

01	Ankle Protector - Shape 1
02	Ankle Protector - Shape 2



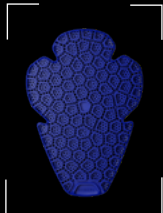
LEVEL 1 RANGE TECHSHEET

COLLECTION GUIDE



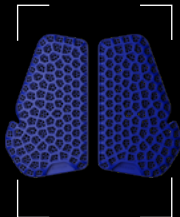
Knee Protector [01]

PRODUCT CODE	FIN-0300
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee
WEIGHT	69g
THICKNESS	7mm
DIMENSIONS	145 x 247mm



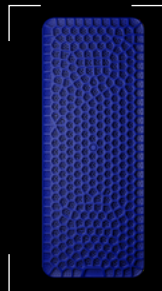
Shoulder Protector [03]

PRODUCT CODE	FIN-0301
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder
WEIGHT	56g
THICKNESS	7mm
DIMENSIONS	145 x 213mm



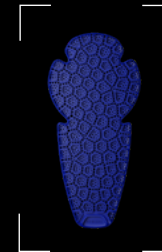
Divided Chest Protector [05]

PRODUCT CODE	FIN-0107
EN 1621-3:2018	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Divided Chest
WEIGHT	148g
THICKNESS	11mm
DIMENSIONS	118 x 211mm



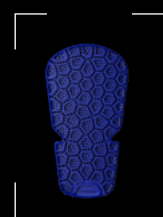
Central Back Protector XL [07]

PRODUCT CODE	FIN-0109
EN 1621-2:2014	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Central Back XL
WEIGHT	284g
THICKNESS	10mm
DIMENSIONS	157 x 400mm



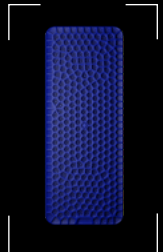
Elbow Protector [02]

PRODUCT CODE	FIN-0303
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Elbow
WEIGHT	56g
THICKNESS	7mm
DIMENSIONS	118 x 250mm



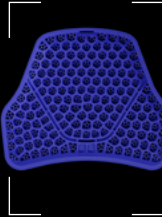
Hip Protector [04]

PRODUCT CODE	FIN-0302
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Hip
WEIGHT	40g
THICKNESS	7mm
DIMENSIONS	99 x 186mm



Central Back Protector M/L [06]

PRODUCT CODE	FIN-0108
EN 1621-2:2014	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Central Back M/L
WEIGHT	230g
THICKNESS	10mm
DIMENSIONS	144 x 364mm



Full Chest Protector [08]

PRODUCT CODE	FIN-1026
EN 1621-3:2018	Level 1 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Chest
WEIGHT	238g [250g]
THICKNESS	12mm
DIMENSIONS	299 x 239mm

Knee Protector^[01]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0300
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee/Shoulder/Hip/Elbow
WEIGHT	69g
THICKNESS	7mm
DIMENSIONS	145 x 247mm

FEATURES & BENEFITS



Lightweight

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.



Breathable

Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.



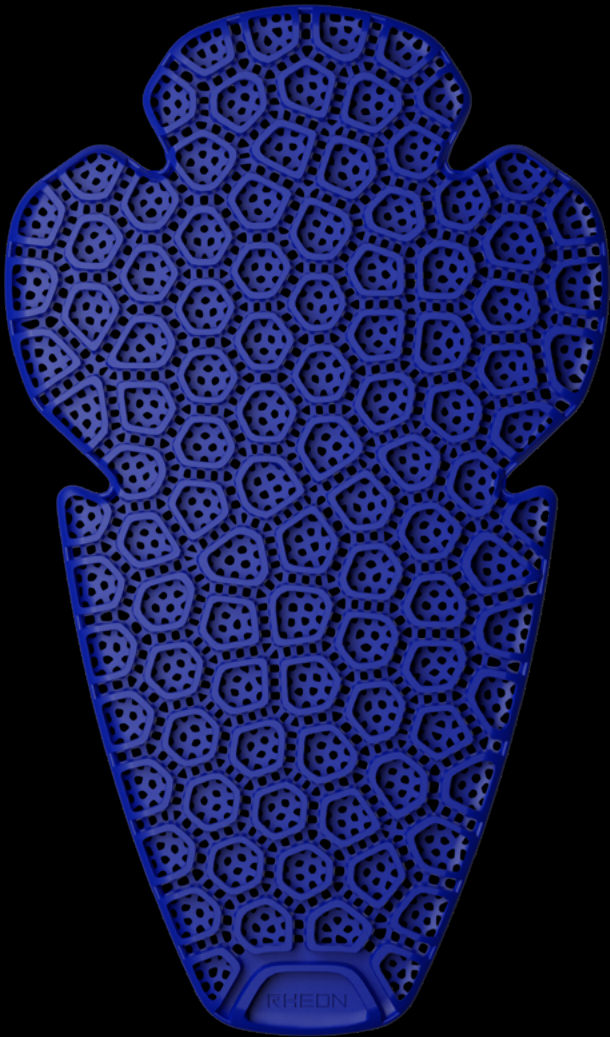
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 1

CARE






Elbow Protector^[02]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0303
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Elbow
WEIGHT	56g
THICKNESS	7mm
DIMENSIONS	118 x 250mm

FEATURES & BENEFITS

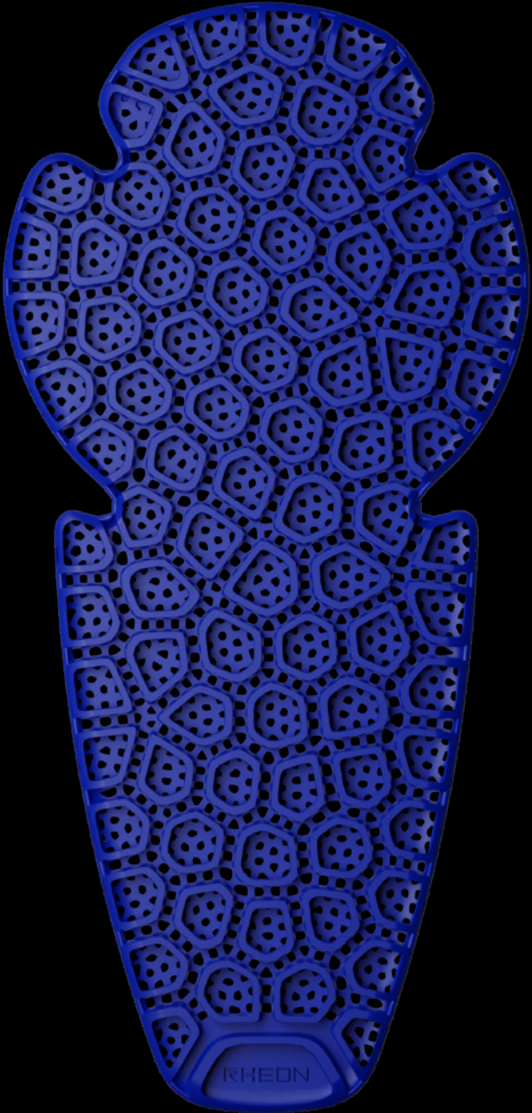
-  **Lightweight**
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PROTECTION

UK | CE LEVEL 1

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Shoulder Protector^[03]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0301
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder/Hip (B) Knee/Elbow (A)
WEIGHT	56g
THICKNESS	7mm
DIMENSIONS	145 x 213mm

FEATURES & BENEFITS



Lightweight

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.



Breathable

Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.



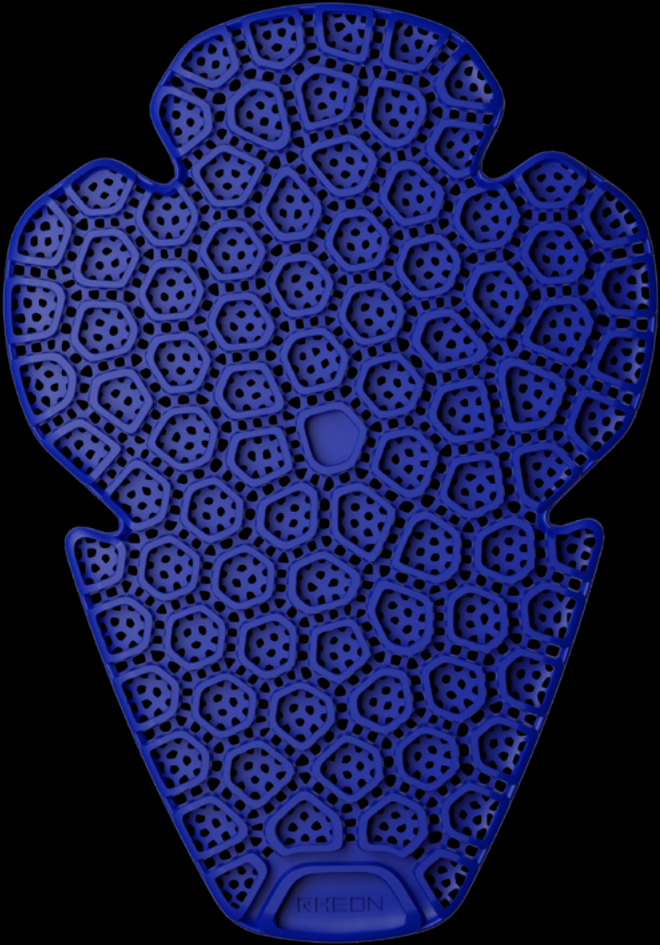
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 1

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Hip Protector^[04]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0302
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Hip
WEIGHT	40g
THICKNESS	7mm
DIMENSIONS	99 x 186mm

FEATURES & BENEFITS

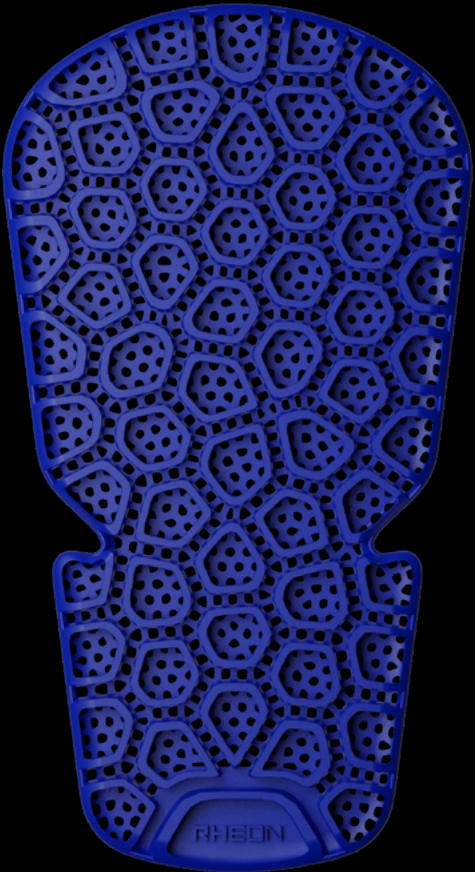
-  **Lightweight**
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PROTECTION

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Divided Chest Protector^[05]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0107
EN 1621-3:2018	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Divided Chest
WEIGHT	148g
THICKNESS	11mm
DIMENSIONS	118 x 211mm

FEATURES & BENEFITS

-  **Lightweight**
We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.
-  **Breathable**
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PROTECTION
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Central Back Protector M/L ^[06]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-0108
EN 1621-2:2014	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Central Back M/L
WEIGHT	230g
THICKNESS	10mm
DIMENSIONS	144 x 364mm

FEATURES & BENEFITS



Lightweight

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.



Breathable

Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.



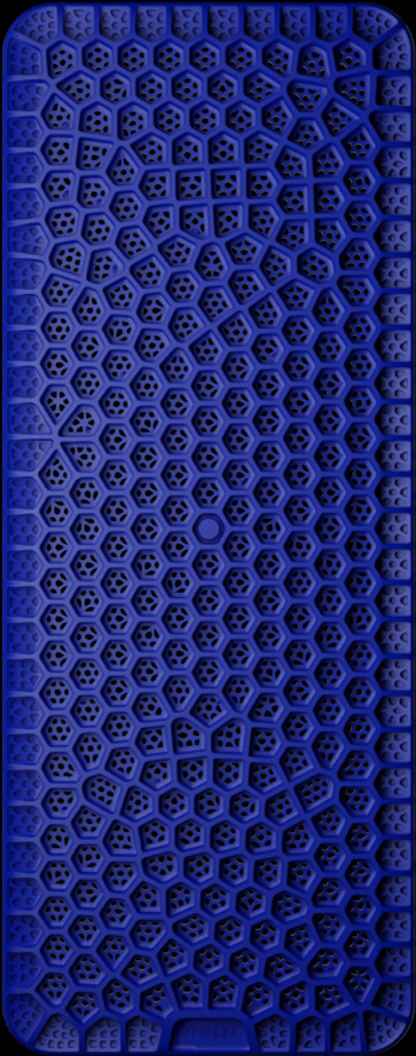
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

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Central Back Protector XL^[07]

LEVEL 1 RANGE

Product Details

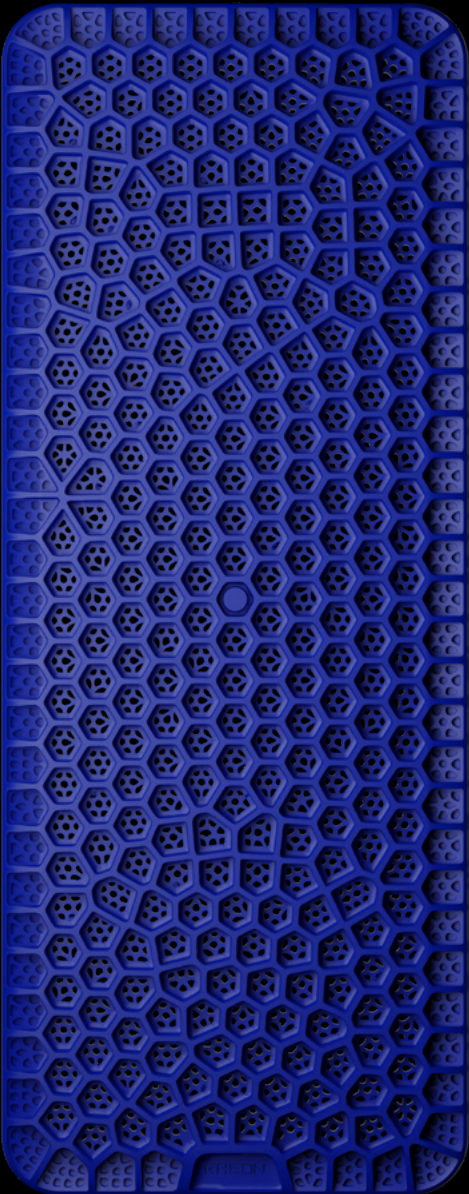
PRODUCT CODE	FIN-0109
EN 1621-2:2014	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Central Back XL
WEIGHT	284g
THICKNESS	10mm
DIMENSIONS	157 x 400mm

FEATURES & BENEFITS

-  **Lightweight**
We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.
-  **Breathable**
Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.
-  **Flexible**
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PROTECTION
UK | CE LEVEL 1

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Full Chest Protector^[08]

LEVEL 1 RANGE

Product Details

PRODUCT CODE	FIN-1026
EN 1621-3:2018	Level 1 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Chest
WEIGHT	238g [250g]
THICKNESS	12mm
DIMENSIONS	299 x 230mm

FEATURES & BENEFITS



Lightweight

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.



Breathable

Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.



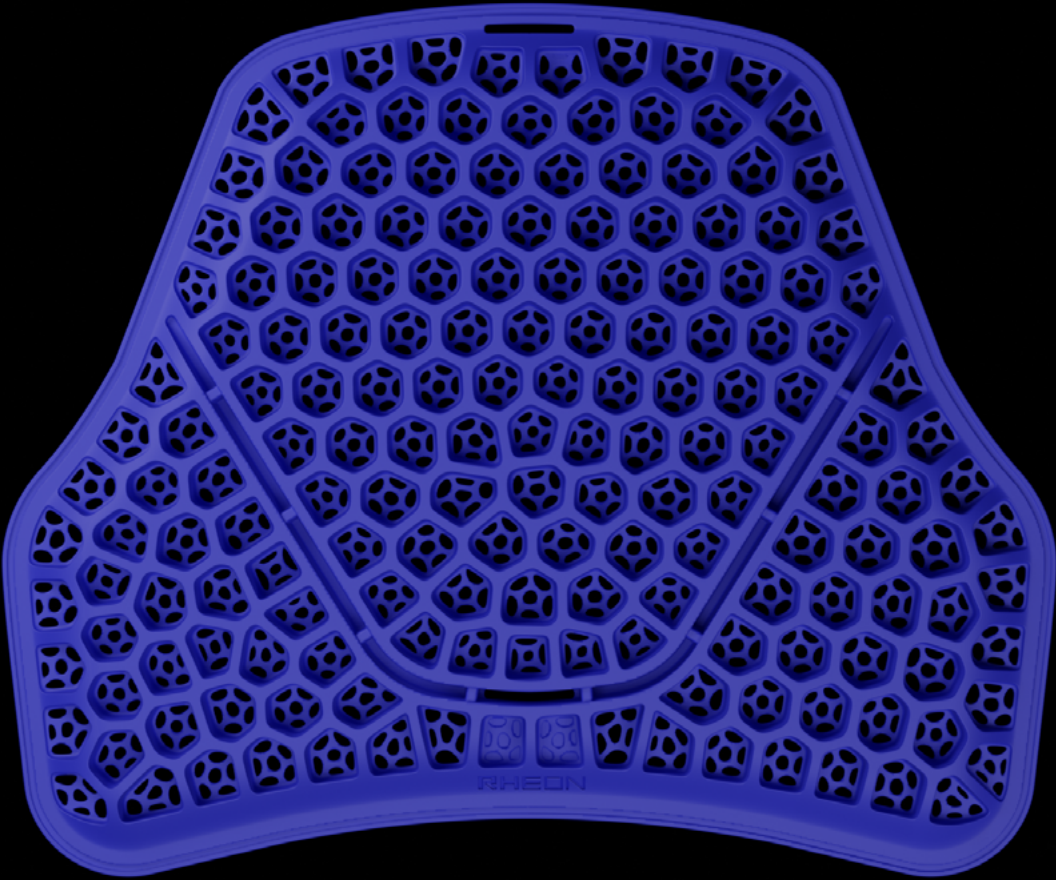
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 1

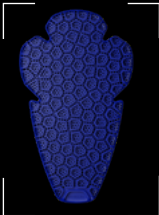
CARE



LEVEL 2 RANGE TECHSHEET

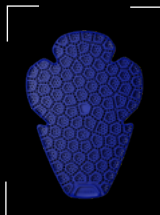
COLLECTION GUIDE

Knee Protector [01]



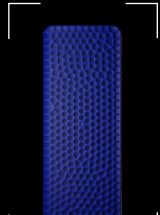
PRODUCT CODE	FIN-0400
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee
WEIGHT	110g
THICKNESS	11mm
DIMENSIONS	146 x 251mm

Shoulder/Hip Protector [03]



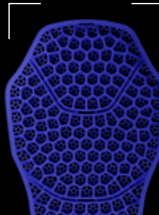
PRODUCT CODE	FIN-0401
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder/Hip
WEIGHT	93g
THICKNESS	11 mm
DIMENSIONS	148 x 219mm

Central Back Protector M/L [05]



PRODUCT CODE	FIN-0404
EN 1621-2:2014	Level 2
MATERIAL TYPE	Moulded
PRODUCT	Central Back M/L
WEIGHT	260g
THICKNESS	14mm
DIMENSIONS	144 x 364mm

Full Back Protector S/M [07]



PRODUCT CODE	FIN-1024
EN 1621-2:2014	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Back S/M
WEIGHT	355g [373g]
THICKNESS	16mm
DIMENSIONS	260 x 395mm

Elbow Protector [02]



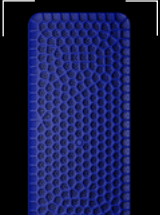
PRODUCT CODE	FIN-0403
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Elbow
WEIGHT	92g
THICKNESS	11mm
DIMENSIONS	119 x 256mm

Curved Protector [04]



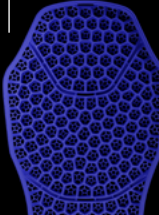
PRODUCT CODE	FIN-1023
EN 1621-1:2012	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Curved Protector
WEIGHT	129g [135g]
THICKNESS	10.5mm
DIMENSIONS	144 x 245mm

Central Back Protector XL [06]



PRODUCT CODE	FIN-0405
EN 1621-2:2014	Level 2
MATERIAL TYPE	Moulded
PRODUCT	Central Back XL
WEIGHT	310g
THICKNESS	14mm
DIMENSIONS	157 x 400mm

Full Back Protector L/XL [08]



PRODUCT CODE	FIN-1025
EN 1621-3:2018	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Back L/XL
WEIGHT	379g [394g]
THICKNESS	16mm
DIMENSIONS	260 x 438mm




Knee Protector^[01]

LEVEL 2 RANGE

Product Details

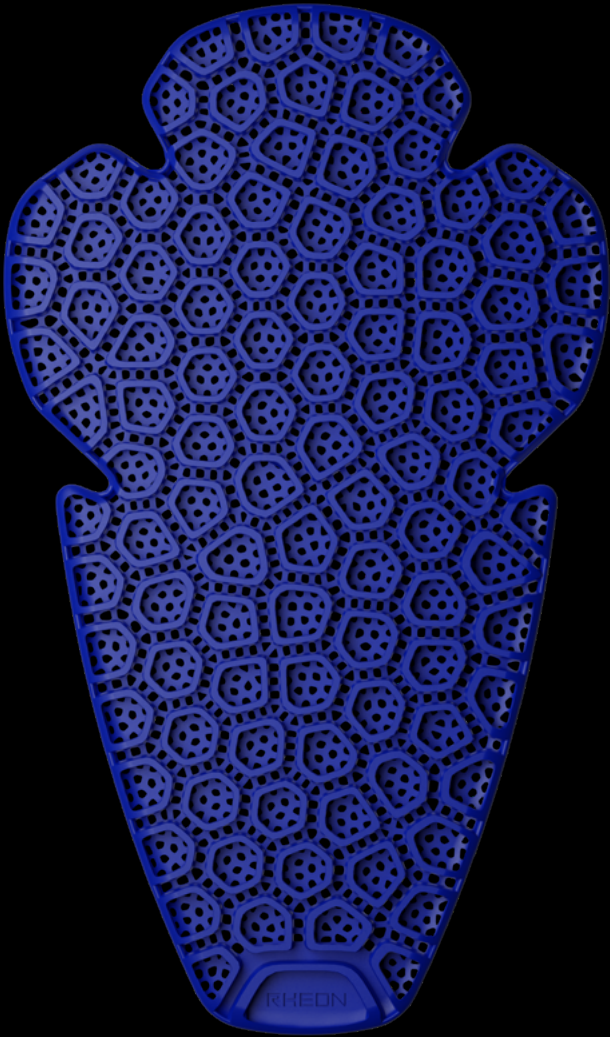
PRODUCT CODE	FIN-0400
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee/Shoulder/Hip/Elbow
WEIGHT	110g
THICKNESS	11mm
DIMENSIONS	146 x 251mm

FEATURES & BENEFITS

-  **Lightweight**
We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.
-  **Breathable**
Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.
-  **Flexible**
Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION
UK | CE LEVEL 2

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Elbow Protector^[02]

LEVEL 2 RANGE

Product Details

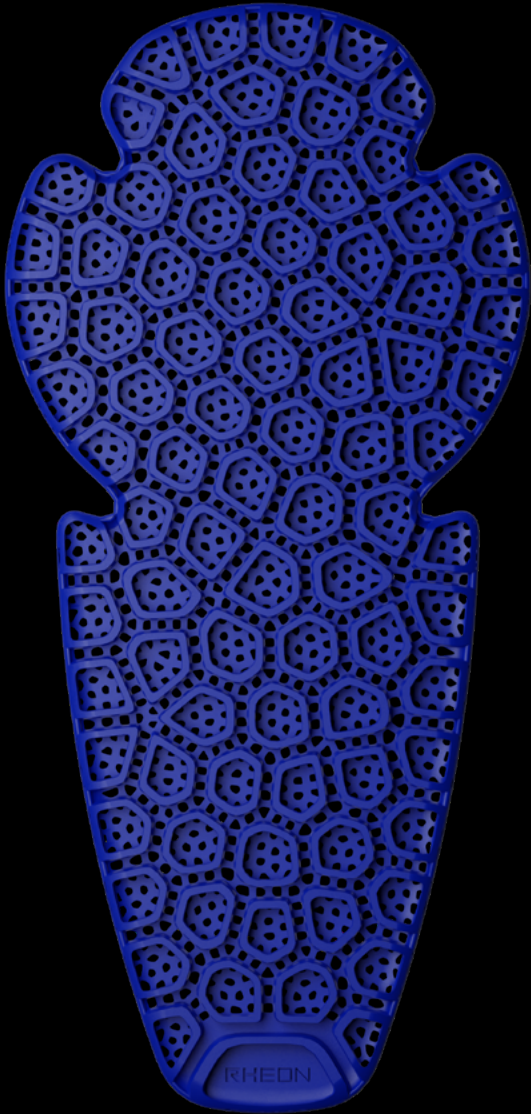
PRODUCT CODE	FIN-0403
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Elbow
WEIGHT	92g
THICKNESS	11mm
DIMENSIONS	119 x 256mm

FEATURES & BENEFITS

-  **Lightweight**
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PROTECTION
UK | CE LEVEL 2

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Shoulder/Hip Protector^[03]

LEVEL 2 RANGE

Product Details

PRODUCT CODE	FIN-0401
EN 1621-1:2012	Level 2 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder/Hip
WEIGHT	93g
THICKNESS	11mm
DIMENSIONS	148 x 219mm

FEATURES & BENEFITS

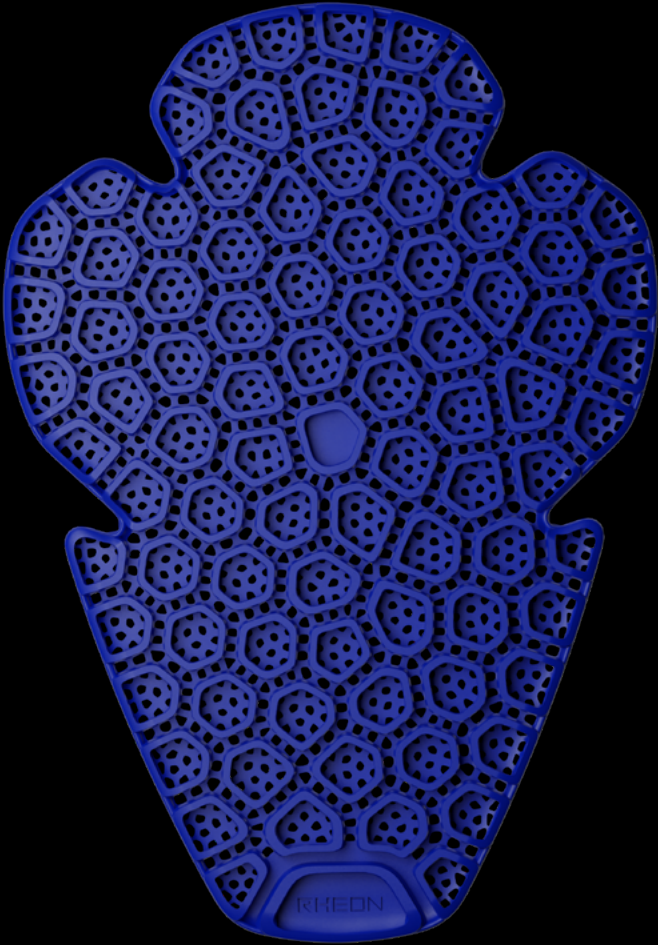
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PROTECTION

UK | CE LEVEL 2

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Curved Protector^[04]

LEVEL 2 RANGE

Product Details

PRODUCT CODE	FIN-1023
EN 1621-1:2012	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee/Elbow/Shoulder
WEIGHT	129g [135g]
THICKNESS	10.5mm
DIMENSIONS	144 x 245mm

FEATURES & BENEFITS



Lightweight

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Breathable

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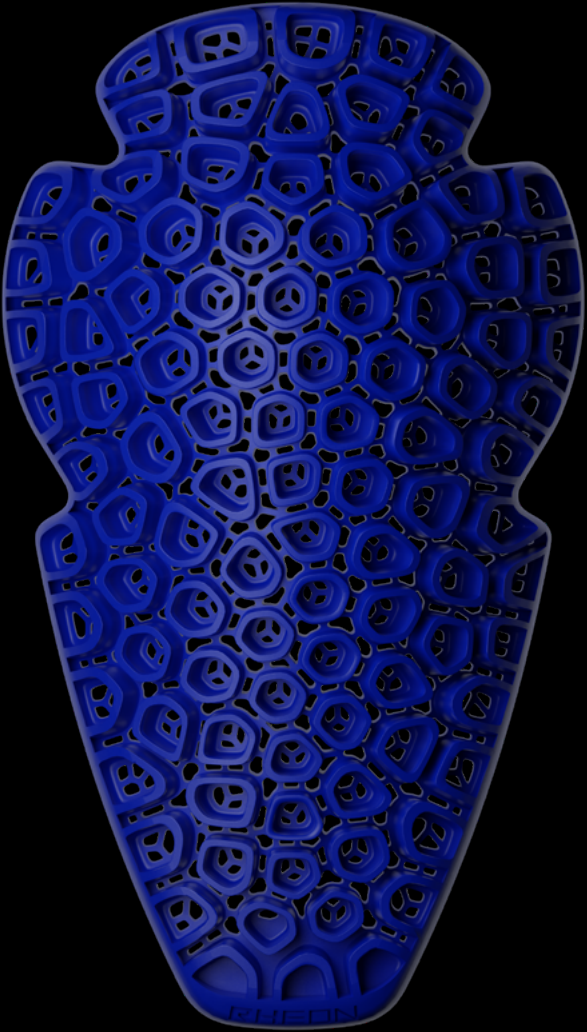
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 2

CARE



Central Back Protector M/L

[05]

LEVEL 2 RANGE

Product Details

PRODUCT CODE	FIN-0404
EN 1621-2:2014	Level 2
MATERIAL TYPE	Moulded
PRODUCT	Central Back M/L
WEIGHT	260g
THICKNESS	14mm
DIMENSIONS	144 x 365mm

FEATURES & BENEFITS



Lightweight

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Breathable

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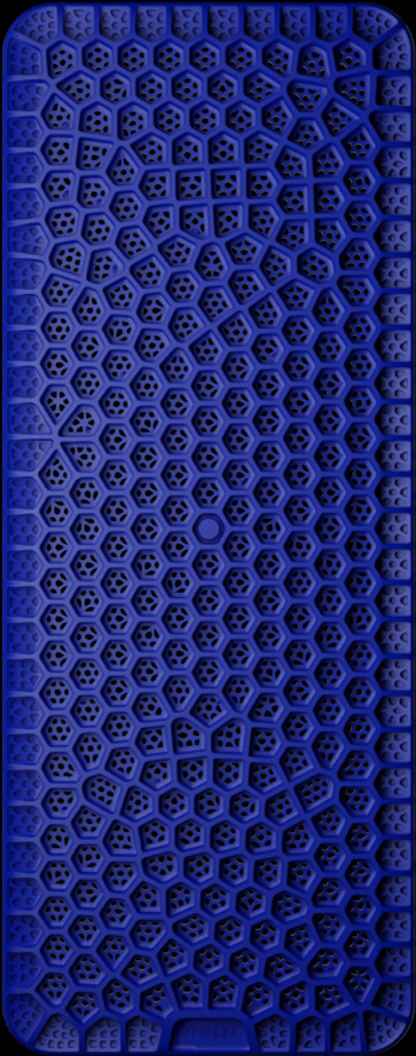
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 2

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Central Back Protector XL^[06]

LEVEL 2 RANGE

Product Details

PRODUCT CODE	FIN-0405
EN 1621-2:2014	Level 2
MATERIAL TYPE	Moulded
PRODUCT	Central Back XL
WEIGHT	310g
THICKNESS	14mm
DIMENSIONS	157 x 400mm

FEATURES & BENEFITS



Lightweight

We patented an algorithm that mimics how cells are packed in nature. 100 million years of evolutionary know-how in every single fibre. It helps our materials to be lighter, naturally.



Breathable

Cell packing allows air to flow naturally around the rider. Making Armour the most breathable protection in the world.



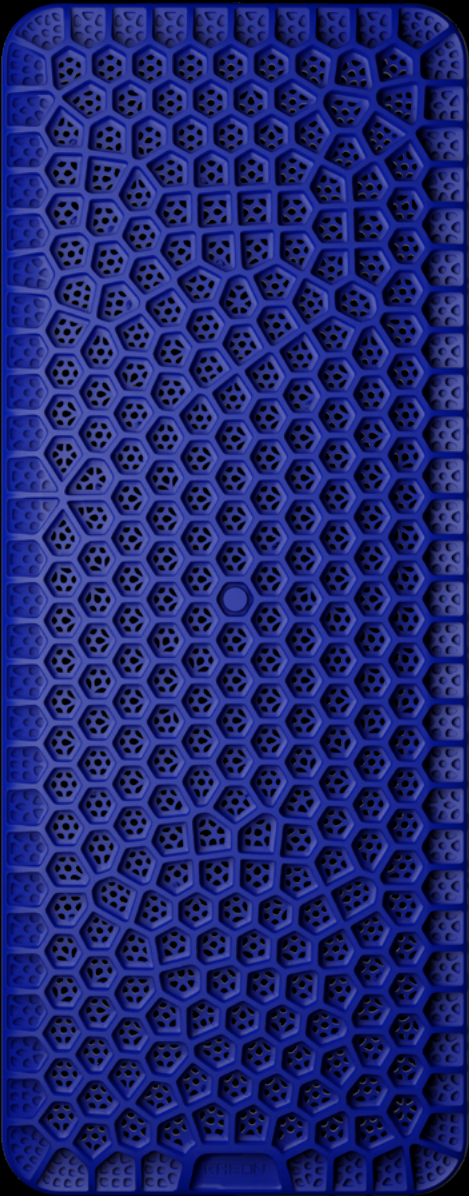
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 2

CARE






Full Back Protector S/M ^[07]

LEVEL 2 RANGE

Product Details

PRODUCT CODE	FIN-1024
EN 1621-2:2014	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Back S/M
WEIGHT	355g [373g]
THICKNESS	16mm
DIMENSIONS	260 x 395mm

FEATURES & BENEFITS

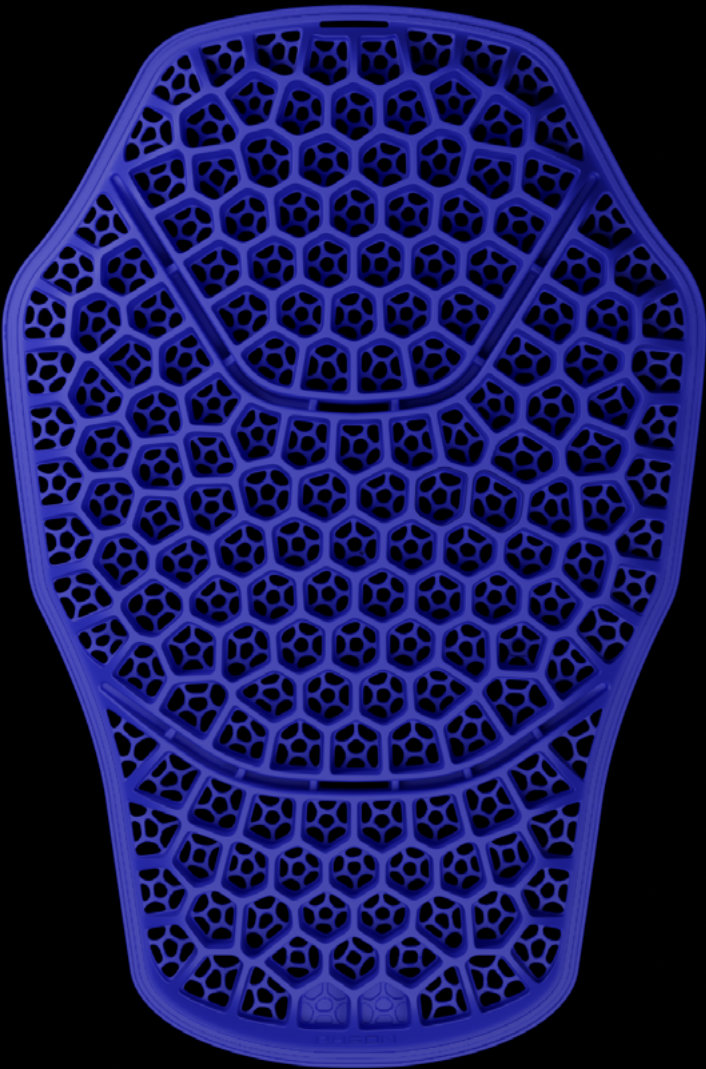
-  **Lightweight**
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PROTECTION

UK | CE LEVEL 2

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Full Back Protector L/XL ^[08]

LEVEL 2 RANGE

Product Details

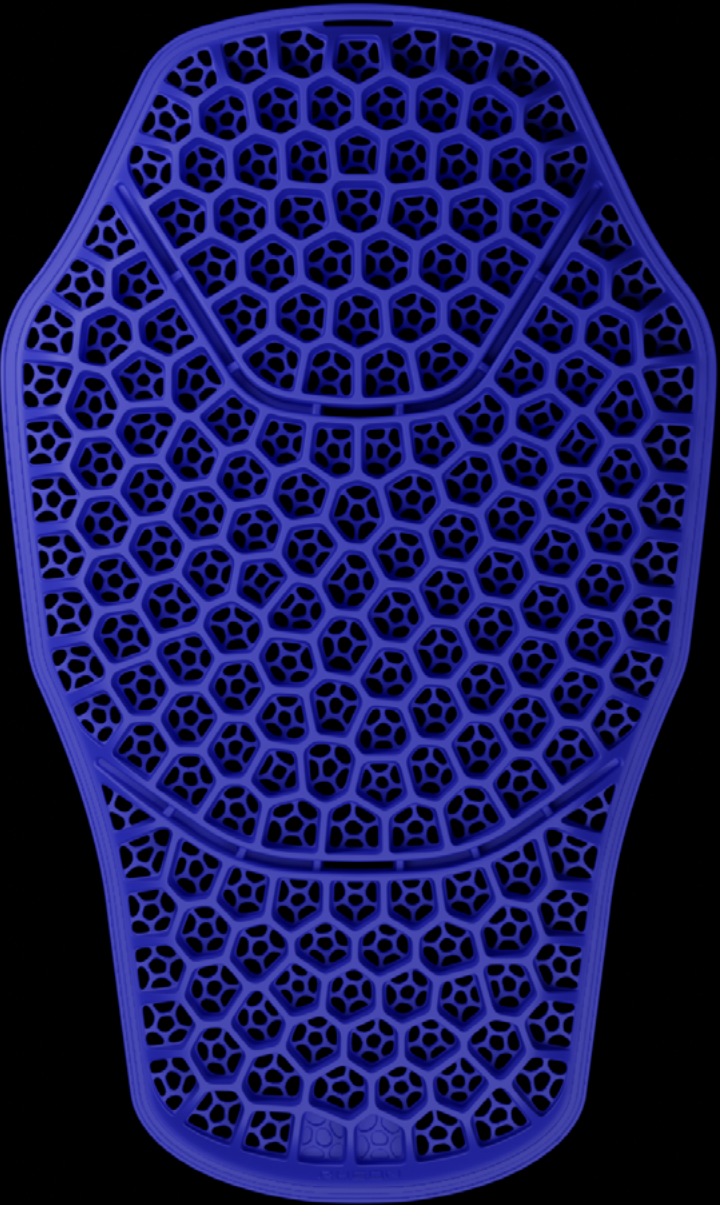
PRODUCT CODE	FIN-1025
EN 1621-2:2014	Level 2 [opt T-]
MATERIAL TYPE	Moulded
PRODUCT	Full Back L/XL
WEIGHT	379g [394g]
THICKNESS	16mm
DIMENSIONS	260 x 438mm

FEATURES & BENEFITS

-  **Lightweight**
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PROTECTION
UK | CE LEVEL 2

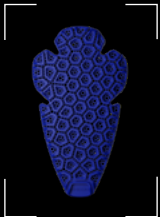
CARE
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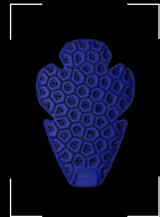
LEVEL 1 COMPACT RANGE TECHSHEET

COLLECTION GUIDE



Knee/Elbow Protector ^[01]

PRODUCT CODE	FIN-0100
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee/Elbow
WEIGHT	52g
THICKNESS	8mm
DIMENSIONS	116 x 212mm



Shoulder/Hip Protector ^[02]

PRODUCT CODE	FIN-0101
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder/Hip
WEIGHT	45g
THICKNESS	8mm
DIMENSIONS	116 x 179mm

PROTECTION

UK | CE LEVEL 1

CARE



Knee/Elbow Protector^[01]

LEVEL 1 COMPACT RANGE

Product Details

PRODUCT CODE	FIN-0100
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Knee/Elbow/Shoulder
WEIGHT	52g
THICKNESS	8mm
DIMENSIONS	116 x 212mm

FEATURES & BENEFITS



Lightweight

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Breathable

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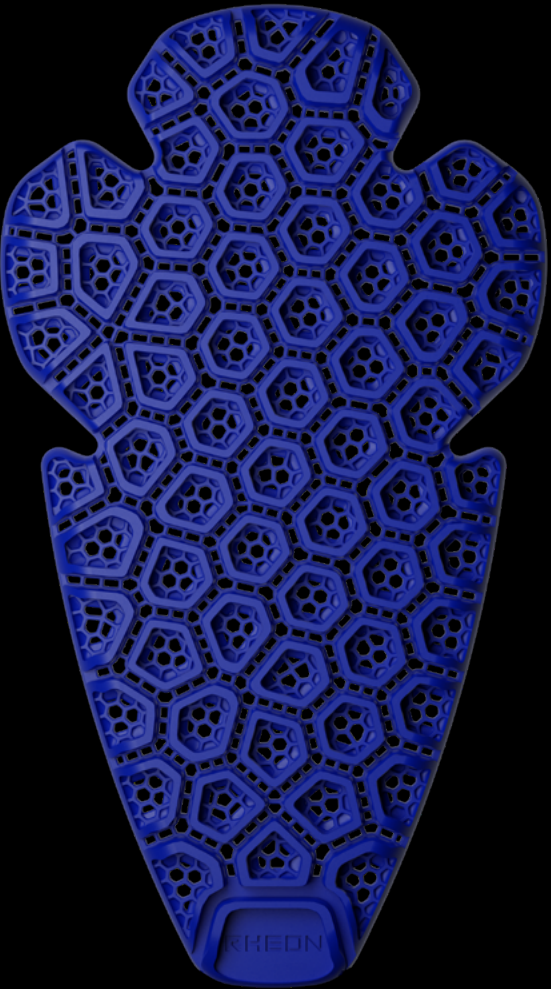
Flexible

Our dynamic, reactive material gives impact protection exactly where it's needed, whilst maintaining total comfort and flexibility.

PROTECTION

UK | CE LEVEL 1

CARE






Shoulder/Hip Protector^[02]

LEVEL 1 COMPACT RANGE

Product Details

PRODUCT CODE	FIN-0101
EN 1621-1:2012	Level 1 [T-]
MATERIAL TYPE	Moulded
PRODUCT	Shoulder/Hip
WEIGHT	45g
THICKNESS	8mm
DIMENSIONS	116 x 179mm

FEATURES & BENEFITS

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PROTECTION
UK | CE LEVEL 1

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FOOTWEAR RANGE TECHSHEET

COLLECTION GUIDE



Ankle Protector - Shape 1 ^[01]

PRODUCT CODE	FIN-0008 / FIN-0009 / FIN-0010 / FIN-0011
PART SIZES AVAILABLE	S / M / L / XL
MATERIAL TYPE	Moulded
PRODUCT	Ankle Protector
WEIGHT	6.7g / 9.5g / 10g / 12g
THICKNESS	5.4mm
DIMENSIONS	58 x 55mm / 68 x 63mm / 72 x 65mm / 80 x 73mm



Ankle Protector - Shape 2 ^[02]

PRODUCT CODE	FIN-0004 / FIN-0005 / FIN-0006 / FIN-0007
PART SIZES AVAILABLE	S / M / L / XL
MATERIAL TYPE	Moulded
PRODUCT	Ankle Protector
WEIGHT	5.4g / 7.3g / 7.9g / 10g
THICKNESS	5.4mm
DIMENSIONS	54 x 40mm / 64 x 47mm / 67 x 48mm / 73 x 56mm

CARE



Ankle Protector Shape 1^[01]

FOOTWEAR RANGE

Product Details

PRODUCT CODE	FIN-0008 / FIN-0009 / FIN-0010 / FIN-0011
PART SIZES AVAILABLE	S / M / L / XL
MATERIAL TYPE	Moulded
PRODUCT	Ankle Protector
WEIGHT	6.7g / 9.5g / 10g / 12g
THICKNESS	5.4mm
DIMENSIONS	58 x 55mm / 68 x 63mm / 72 x 65mm / 80 x 73mm

FEATURES & BENEFITS



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Ankle Protector Shape 2^[02]

FOOTWEAR RANGE

Product Details

PRODUCT CODE	FIN-0004 / FIN-0005 / FIN-0006 / FIN-0007
PART SIZES AVAILABLE	S / M / L / XL
MATERIAL TYPE	Moulded
PRODUCT	Ankle Protector
WEIGHT	5.4g / 7.3g / 7.9g / 10g
THICKNESS	5.4mm
DIMENSIONS	54 x 40mm / 64 x 47mm / 67 x 48mm / 73 x 56mm

FEATURES & BENEFITS

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CARE
    





GLOVE RANGE TECHSHEET

COLLECTION GUIDE



Knuckle Protector ^[01]

PRODUCT CODE	FIN-1014	FIN-1015	FIN-1016	FIN-1017	FIN-1018	FIN-1019	FIN-1020
PART SIZES AVAILABLE	XXS	XS	S	M	L	XL	XXL
MATERIAL TYPE	Moulded						
PRODUCT	Knuckle Protector						
WEIGHT	14.8g	15g	15.2g	15.4g	15.6g	15.8g	16g
THICKNESS	5.5mm						
DIMENSIONS	100 x 39mm	103 x 39mm	106 x 39mm	109 x 39mm	112 x 39mm	115 x 39mm	118 x 39mm

CARE






Knuckle Protector [01]

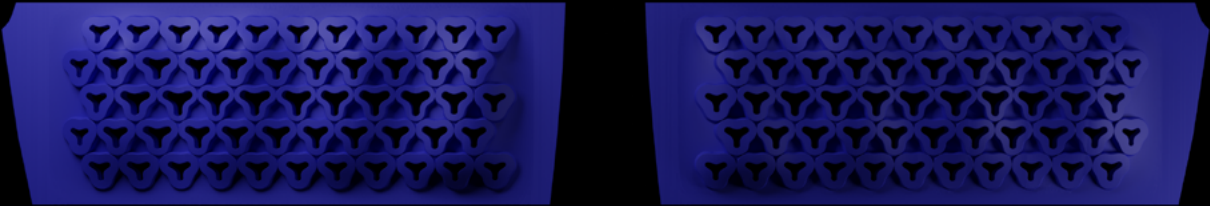
GLOVE RANGE

Product Details

PRODUCT CODE	FIN-1014 - FIN-1020
PART SIZES AVAILABLE	XXS - XXL
MATERIAL TYPE	Moulded
PRODUCT	Knuckle Protector
WEIGHT	14.8g - 16g
THICKNESS	5.5mm
DIMENSIONS	100 x 39mm (XXS) - 118 x 39mm (XXL)

FEATURES & BENEFITS

-  **Lightweight**
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CONTACT

If you have any further questions or are interested in partnering with us please feel free to contact us.

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rheonlabs.com

→ Email
Paul.Farrar@rheonlabs.com