

CREATE **LOADING AND RELIEF AREAS** IN A TARGETED WAY.

**FLEXIBLE AND FOCUSED.**

The  
adaptive  
technology  
to customise  
foot orthotics



2

***REQUIREMENTS  
CHANGE.  
WE STAY FLEXIBLE.***

Novaped flexspot SUB SOLO

Flexible and focused

### Progress

We have been driving forward orthopaedic shoe technology for more than 140 years – through technological progress, innovative products and, not least, the best-possible support for healthcare technicians.

### Flexibility and individuality

The focus of therapists, pedorthists and orthotists is on simple and time saving customisation. We are paying particularly close attention to those desires with new treatment concepts:

- with which you can treat patients individually, efficiently and easily,
- and with which you can ensure consistent quality of treatment,
- that raise the image of your company, skill and Expertise.

### Efficiency and quality

Our treatment concepts are based on both the requirements of the user and demands in terms of efficiency and quality. You can quickly and conveniently adjust our foot orthotic blanks with flexspot technology and reproduce customised products.

### Putting our best foot forward

We have now added another valuable feature to our Novaped product family, which already incorporate many user-oriented technologies:

Novaped flexspot – the adaption assistant – for medical orthopaedic use, allowing you to create contact and loading or relief areas in next to no time.



**RELIEF:**  
*Novaped flexspot SUB*



**CONTACT:**  
*Novaped flexspot ADD*



**SIMPLE APPLICATION:**  
*Novaped flexspot SUB SOLO*



# ONE CONCEPT. MANY POSSIBILITIES.

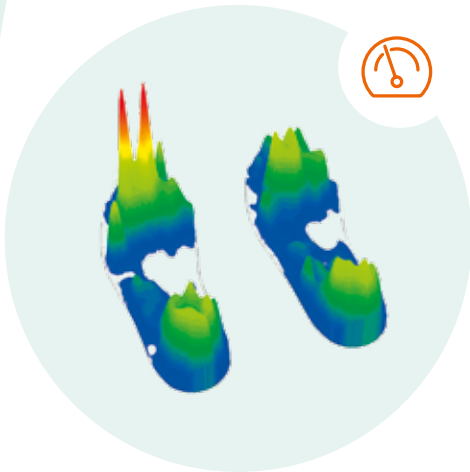


Novaped flexspot is composed of thin padding layers that can be delaminated. They are divided into pre-cut, anatomically designed zones. The individual zones can be removed layer by layer through heating.

This allows you to customise the top cover 3-dimensionally and create the contact or relief areas needed by removing the relevant pre-cut elements.

## **AN INSOLE SET COMPRISES:**

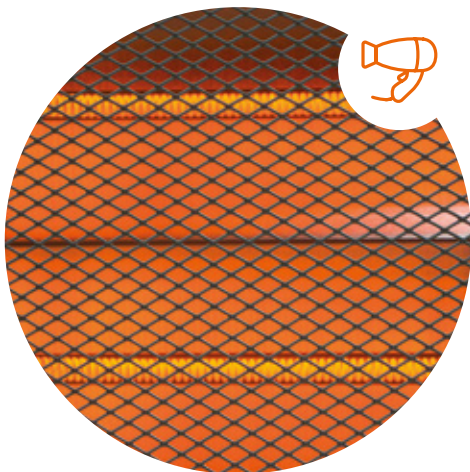
- A Novaped flexspot SUB or ADD padded cover
- An insole base from the Novaped range



### The pressure ratios

The removed elements with a thickness of 1 or 2 mm might look very thin, but they have a big effect. In the example shown, they have reduced the peak pressure values in the midfoot area (MPJ) by up to 55%.

This shows that Novaped flexspot achieves the desired effect in a targeted way through carefully measured pressure relief.

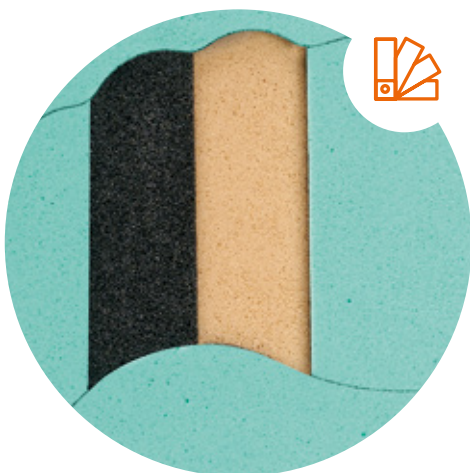


### Hot air – as simple as it is clever

Simply remove the relevant zones from the individual material layers by heating them with a hot-air gun or in a hot-air oven (recommended for flexspot ADD).

Thanks to the unique, reversible adhesive technology, you can reheat elements that have already been removed and use them again. No special tool or adhesive is required.

Individual treatment is literally in your own hands!



### The materials

The multi-layered padding is made of cushioning, non-abrasive and temperature-insensitive polyurethane (PU). The properties of the PU materials are not altered by heating. The high resilience and permanent elasticity ensure a reliable cushioning.

These characteristics mean the material layers are simultaneously thin and effective.

# 6

## **LESS IS MORE: SUBTRACT TO PROVIDE RELIEF.**

### **Novaped flexspot SUB**

#### **The relief principle**

Novaped flexspot SUB is positioned where the pressure peaks on the foot are represented. The removal of material at specific points reduces the pressure on overloaded structures. The 1 mm thick material layers allow the pressure to be finely adjusted in line with the principle of 'as much relief as necessary, but as little as possible'.

#### **Heat and remove**

The padding is composed of two PU layers, each 1 mm thick, and an OnDry cover. The anatomical pressure zones of the foot are pre-cut into the padding. The individual material layers in the zones can be removed by heating. This means pressure relief of 1 mm or a total of 2 mm can be provided by removing the relevant pieces.

#### **Heating the padding sections with a hot-air gun**

Heat the padding materials with a hot-air gun for approx. 15 seconds at 400°C/752°F from a distance of 10 to 15 cm. You can then remove the desired elements.

**MPJ I-V RELIEF  
ZONES**

**TUBEROSITY V  
RELIEF ZONE**





### **TOES I-V RELIEF ZONES**

#### **Padding layer 1 (green):**

1 mm p<sup>2</sup> absorb

#### **Padding layer 2 (black):**

1 mm p<sup>2</sup> resorb

#### **Cover (black):**

OnDry top layer

### **HEEL / PLANTAR TENDON RELIEF ZONE**



### **POSSIBLE AREAS OF APPLICATION**

- Plantar fasciitis
- Hallux rigidus
- Hallux valgus
- Mallet toe
- Claw toe
- Metatarsalgia
- Morton's neuroma
- Pes plano transversus

**Cover on the upper side:**  
Perforated OnDry cover,  
black

# MORE IS MORE: ADD TO PROVIDE MORE CONTACT AND LOADING.

## Novaped flexspot ADD

### The 'more loading area is less pressure' principle

With Novaped flexspot ADD, large areas are removed from the padding. The effect comes from those that remain. The areas that remain in place provide additional stimulation and add to the supporting function of the foot orthotic base used. The material can be ground at the edges without difficulty, allowing optimal adjustment. Areas of the foot are given effective support and pressure distribution is optimised.

### Heat and remove

The padding is composed of a 3 mm thick p<sup>2</sup> absorb layer (green), a 2 mm p<sup>2</sup> resorb layer (black) and an OnDry cover (grey). The green padding is pre-cut into the common supporting areas of the foot. Those that are not needed can be easily removed by heating. Thanks to the reversible adhesive connection, the elements can also be repositioned as needed.

### Heating the padding sections in a hot-air oven

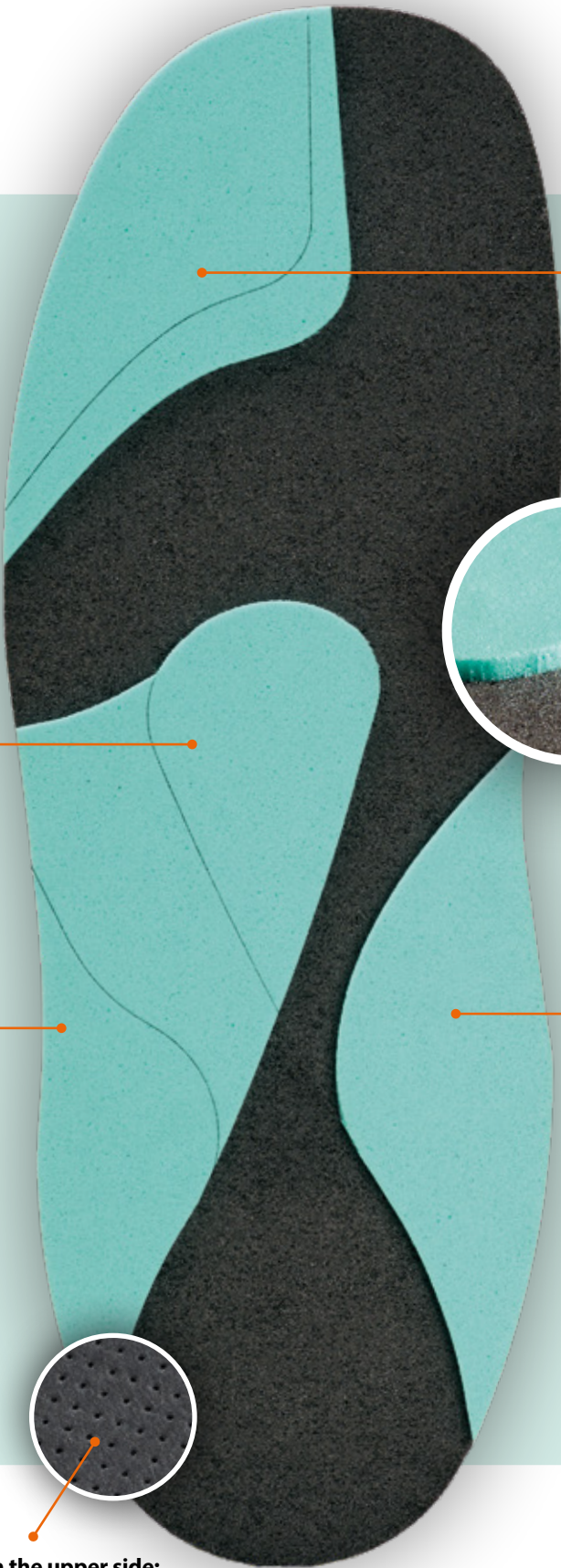
Place Novaped flexspot ADD in a hot-air oven for approx. 2 minutes at 130°C/266°F. The required elements can be easily removed or repositioned.

MIDFOOT CONTACT ZONES

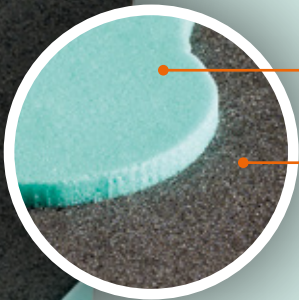
LATERAL REARFOOT CONTACT ZONE







**TOE CONTACT ZONES**



**Padding layer 1 (green):**  
3 mm p<sup>2</sup> absorb

**Padding layer 2 (black):**  
2 mm p<sup>2</sup> resorb

**Cover (grey):**  
OnDry top layer

**MEDIAL HINDFOOT CONTACT ZONE**



**POSSIBLE AREAS OF APPLICATION**

- Pes cavus
- Pes valgus
- (Flexible) flat foot
- Fallen arches
- Pigeon toes
- Splayfoot

**Cover on the upper side:**  
Perforated OnDry cover,  
grey

# IT COULDN'T BE EASIER!

## Novaped orthotic base variants

The padding is not the only area where we provide a solution for every requirement. The high level of customisation naturally applies to the whole treatment concept.

All base models are available for Novaped flexspot, to suit any wishes and needs.



## Novaped flexspot ADD processing

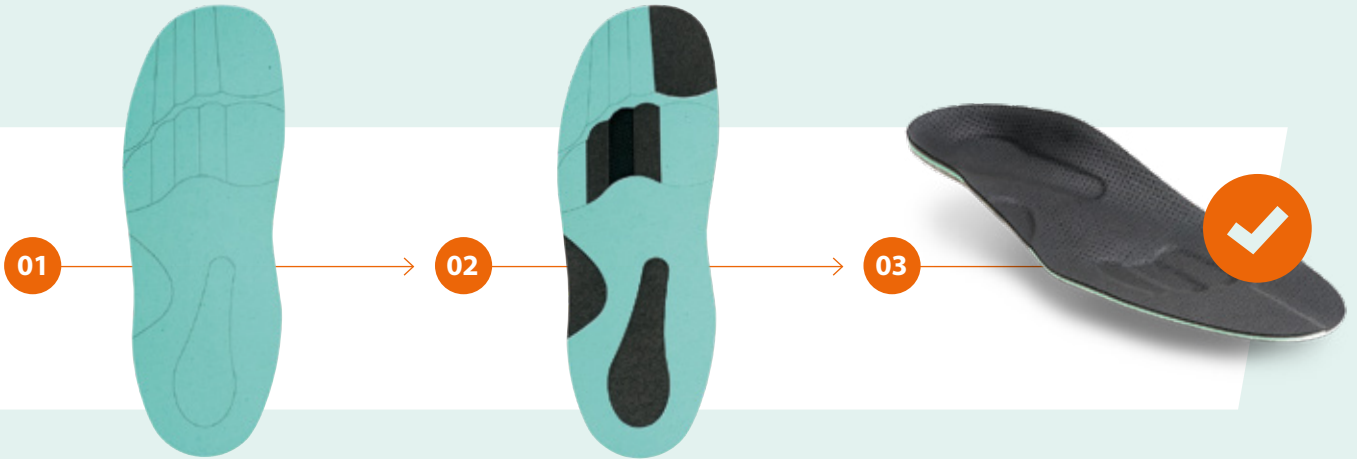
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### Unpack

Get to grips with the creation of pressure points on the pre-cut zones of the padding.

## Novaped flexspot SUB processing



### Unpack

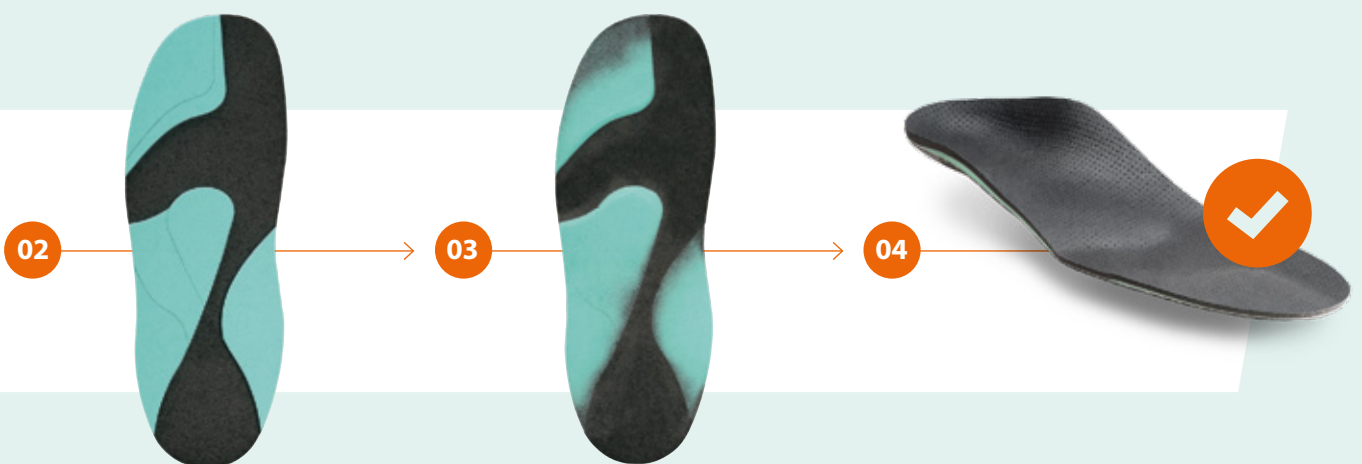
Use the pre-cut anatomical zones to precisely locate the areas on the padding layer where you want to provide relief.

### Customise

Reduce the relief zones as needed and in layers of 1 mm or 2 mm.

### Finalise

Affix the Novaped flexspot SUB sole to a base from the Novaped range, with an overhang of 2 mm.



### Customise

Remove all non-relevant pieces from the padding layer and achieve targeted support or correction of the foot with the remaining elements.

### Grind

If required for a contouring surface design, grind the edges and junctions of the remaining pads.

### Finalise

Affix the Novaped flexspot ADD sole to a base from the Novaped range, with an overhang of 2 mm.

# THE FAST-ACTING SOLO PERFORMANCE

## Novaped flexspot **SUB SOLO**

### For basic treatment

The Novaped flexspot SUB model is also available in a version for a simple and effective treatment option: Novaped flexspot SUB SOLO. The padding design, the pre-cuts and the individual width adjustment are almost identical. However, the Novaped flexspot SUB SOLO is not affixed with an orthotic base, but simply placed into the shoe as a flat-bed insole.

### The same processing: heat and remove

The padding of the SUB SOLO version is composed of three PU layers, each 1 mm thick, and is pre-cut in the pressure-relevant areas. 1 mm or 2 mm of material layers can be removed as needed, by heating.

### Heating the padding sections with a hot-air gun

Heat the padding materials with a hot-air gun for approx. 15 seconds at 400°C/752°F from a distance of 10 to 15 cm. You can then remove the desired elements.

**TUBEROSITY V  
RELIEF ZONE**

**HEEL RELIEF  
ZONE**





**ADJUSTMENT OF THE FOREFOOT OUTLINE**

**TOES I-V RELIEF ZONES**

**MPJ I-V RELIEF ZONES**

**Padding layer 1 (green):**  
1 mm p<sup>2</sup> absorb

**Padding layer 2 (black):**  
1 mm p<sup>2</sup> resorb

**Padding layer 3 (beige):**  
1 mm p<sup>2</sup> resorb

**COVER SOLE PADDING**  
1 mm p<sup>2</sup> resorb, PiGrecco covering layer (beige)



**POSSIBLE AREAS OF APPLICATION**

- Plantar fasciitis
- Metatarsalgia
- Hallux valgus
- Morton's neuroma
- Mallet toe
- Pressure sensitive forefoot ailments
- Claw toe

**Cover on the upper side:**  
PiGrecco cover, beige

# THE TREATMENT CONCEPT.

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The efficient processing and special material properties are the foundation stones of the Novaped flexspot concept for targeted contact, loading or relief.



## THE PROCESSING

- Time saving
- Reproducibility
- Simple to use
- No specific tool / no adhesive required
- Various possible applications

## THE MATERIAL

- Cushioning but non-abrasive multi-layered PU padding
- Not temperature-sensitive
- Multi-layered pressure relief or added contact
- Reversible adhesive connections
- Very high restoring force

**Novaped flexspot**

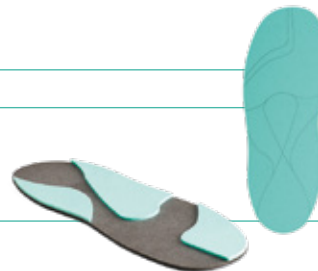
**Novaped flexspot SUB**

ARTICLE NO.	DESCRIPTION	SIZES
965310000	Novaped flexspot SUB, padded, with perforated OnDry cover, black	35 – 48



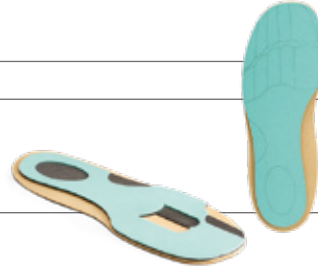
**Novaped flexspot ADD**

ARTICLE NO.	DESCRIPTION	SIZES
965320000	Novaped flexspot ADD, padded, with perforated OnDry cover, grey	35 – 48



**Novaped flexspot SUB SOLO**

ARTICLE NO.	DESCRIPTION	SIZES
965300000	Novaped flexspot SUB SOLO, padded, with PiGrecco cover, beige	35 – 48



**Novaped orthopaedic foot orthotic blanks\***



**Novaped S90 base**

ARTICLE NO.	SIZES
955159300	35 – 48
DESCRIPTION	
Novaped S90 base	



**Novaped Plateau base**

ARTICLE NO.	SIZES
959310000	35 – 48
DESCRIPTION	
Novaped Plateau base	



**Novaped S90 Carbon base**

ARTICLE NO.	SIZES
983240000 (left) 983140000 (right)	35 – 48
DESCRIPTION	
Novaped S90 Carbon base	

\* Many more foot orthotic types possible on request

Your specialist retailer:



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GET IN TOUCH WITH US VIA  
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