

# Technology

## What is Technogel®

Technogel® is a unique “soft-solid” material that combines the 3D deformation of a liquid and the memory shape of a solid. It is a dimensionally stable polyurethane-based gel that does not contain plasticizers (oils). The characteristics that make Technogel® a great material for Shoe Applications include high shock and force absorption, excellent pressure distribution, UV stable, and good deformation resistance. Technogel® is also 100% Vegan.

## How is Technogel® made

Technogel® is produced by a casting process and can be combined with different cover materials. “The gel material has a self-adhesive characteristic, which can be used for a wide range of applications in the footwear industry. The gel can also be covered with PU-films, PU-coatings and laminated textiles. Technogel® can be customized in a wide range of colors and gel hardness’s to meet our customers designs.



### Sheets

Thickness 0,7 - 10,00mm  
Dimension 1.000 x 500mm



### Rolls

Thickness 0,05 - 3,00mm  
Dimension 50 - 300m



### Available designs

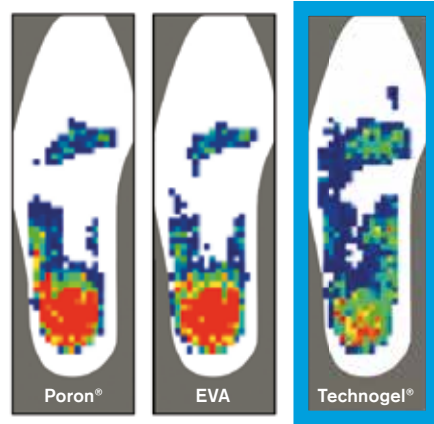
Heel pads, After Sales  
Insoles, Inserts



### Customized designs

Please share your design  
2D or 3D

# Tests



## Shock absorption

+ 3x higher than silicone.  
Biomechanic of Munich, Germany

## Deformation Resistance

+ 100.000 strokes without deterioration.  
PFI Institute of Pirmasens, Germany

## Force absorption

+ 60% more than EVA.  
PFI Institute of Pirmasens, Germany

# Gel Types

## Gel Types

### Technogel® soft

Elastic, UV stable, very soft  
Shore°°° 15-50

### Technogel® medium

Best seller, elastic, UV stable, soft  
Shore°°° 50-90

### Technogel® light

40% more light, elastic, UV stable, soft  
Shore°°° 50-90

## Properties

- + Polyurethane Elastomer
- + free of plasticizer (oils)
- + adjustable Shore hardness
- + Okeo-Tex 100
- + self-adhesive characteristic

## Adjustable

- + weight reduction up to 30%
- + Biocompatibility by ISO 10993-5/-10
- + flame Resistant per UL94 V2
- + low water absorption
- + increased thermal stability

# Technogel®

## Innovative Shoe Technology

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## Profile Parts

The Technogel® profile parts are made for all shoe factories and your brand. The profile parts can be sewn or glued into the insole, visible or non-visible.



WTG00201

58,5mm x 41,6mm x 3,0mm



WTG00249

58,5mm x 41,6mm x 5,0mm



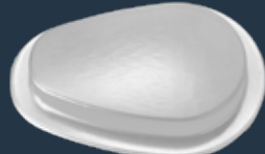
WTG00356

35,0mm x 35,0mm x 4,8mm



WTG00243

48,2mm x 70,4mm x 5,0mm



WTG00250

50,2mm x 71,0mm x 9,3mm



WTG00232

50,3mm x 65,0mm x 3,0mm



WTG00390

36,0mm x 64,0mm x 1,7mm



WTG00385

41,0mm x 80,0mm x 1,7mm



WTG00254

60,0mm x 88,0mm x 4,5mm



WTG01111

76,0mm x 38,0mm x 5,0mm



WTG01105 L / R

93,0mm x 60,0mm x 4,0mm



WTG001107 L / R

104,0mm x 65,0mm x 4,0mm

## After Sales

The Technogel® After Sales are the perfect match after your bought shoes. Color, cover material, printing and hardness are customizable. Use the self-adhesive character to stick it into your shoes.



WTG00398

58mm x 85,mm



WTG00400

66mm x 90mm



WTG00143

58mm x 78mm



WTG00924

70mm x 69mm



WTG00991

70mm x 69mm



WTG00359

54mm x 84mm



WTG00354

64mm x 95mm



WTG00416 L / 417 R

73mm x 105mm



WTG00923

100mm x 26mm



WTG00990

73,0mm x 105mm



WTG00368 S / 369 M / 370 L

90mm x 50,0mm



WTG00443

103mm x 52mm



WTG00329

67mm x 53mm



WTG00926

65mm x 50mm



WTG01057

65mm x 50mm



WTG00922

200mm x 70mm



WTG00989

200mm x 70mm



WTG00927

32mm x 26mm



WTG00925

75mm x 48mm



WTG00997 L / R

90mm x 70mm

## Insoles

The Technogel® Insole technology is designed for all day comfort and pressure relief. Color, textile and hardness are customizable. Available in double sizes from 35-36 (XS) until 47-48 (XXXL).

