





# Ergonomics



Back Support | Knee Pads

# Certifications & Materials Explained

## EN 14404

This standard evaluates the performance and the type levels of knee protection, for all the occupations involving kneeling work, it is important to use knee protection when working for long periods of time in this position, as it can cause long-term discomfort, discomfort, and even some kind of injury.

## Types

EN14404



### Type 1

Knee protections independent of any garment and attached around the leg.

EN14404



### Type 2

Plastic foam inserted into the leg reinforcements of a pair of pants.

EN14404



### Type 3

Equipment that is not attached to the body, but is put in place when the user moves.

EN14404



### Type 4

Accessories with additional functions to assist in getting up or kneeling down.

## Protective Class

### Class 0

Recommended for flat floors - no penetration resistance required

### Class 1

Recommended for flat floors - required penetration resistance of at least 100 N

### Class 2

Recommended for complex conditions (rocks, uneven ground, etc.) require a penetration resistance of at least 250 N.

## Knee Pads Components

### Protective Caps

The caps provide greater comfort, protection, and stability when working in environments with uneven floors, thanks to the thick layer covering the knee pad. GR551 (PVC) & GR553 (TPE)

### Thick Foam

The GR550, GR551, and GR553 models feature thick foam to reduce the pressure exerted against the gel, thus providing less pressure on the knee and longer gel life thanks to this protective layer.

### Soft Gel Core

The GR551 and GR553 models contain a protective gel high density, which means that when any kind of pressure is exerted, it is dispersed in such a way that the knee can rest comfortably, supporting long kneeling days work.

### Breathable Mesh

All our kneepads are made with a breathable mesh material, dissipating heat and humidity generated by the day and working hours.



## Back Support

### GR540

Ref.	Color	Size
GR540S	● Black	S
GR540M	● Black	M
GR540L	● Black	L
GR540XL	● Black	XL



## High Performance Back Support

### GR541

Ref.	Color	Size
GR541S	● Black	S
GR541M	● Black	M
GR541L	● Black	L
GR541XL	● Black	XL



## High Visibility Back Support

### GR542

Ref.	Color	Size
GR542S	● Green & Black	S
GR542M	● Green & Black	M
GR542L	● Green & Black	L
GR542XL	● Green & Black	XL



# Ergonomics

## Knee Pads

### GR550

EN14404



Type 2

Ref. GR550 Color ● Black

• Designed to comfortably fit over or underpants

• Medium-density EVA foam for comfort and longevity

• Low profile contour for easy movement

• Flexible neoprene strap for easy adjustment



GR550

## Knee Pads

### GR551

EN14404



Type 2

Ref. GR551 Color ● Black & Blue

• Flexible neoprene straps to easily adjust and fit tightly

• Heavy-duty thick PVC cap

• Quick release slide clip

• Soft gel core & durable EVA foam padding



GR551

## Knee Pads

### GR553

EN14404



Type 2

Ref. GR553 Color ● Black & Blue

• Breathable and comfortable neoprene strap for easy adjustment

• TPE cap provides stable, shift-free grip and traction on most surfaces

• Heavy-duty knee pads for tasks requiring stability

• Gel padding provides comfort and stays in place under pressure



GR553



