



# MECHANICAL GLOVES

## Product Overview

**BEE4**  
EMPOWERING SUPPLIER

SANS	ISO 9001
SANS	ISO 14001
SANS	OHSAS 18001

# GLOVES THAT PROVIDE PROTECTION AGAINST MECHANICAL RISKS

## PE4701-PE4705



Nitrile palm dipped · 13-gauge seamless nylon liner · Blue / black

**EN 388-4121 CE**

PE4701 #8 / Small · PE4702 #9 / Medium  
PE4703 #10 / Large · PE4704 #11 / Extra large · PE4705 #12 / Extra large



## PE4706-PE4710



Nitrile fully dipped · 13-gauge seamless nylon liner · Blue / black

**EN 388-4121 CE**

PE4706 #8 / Small · PE4707 #9 / Medium  
PE4708 #10 / Large · PE4709 #11 / Extra large · PE4710 #12 / Extra large



## PE4711-PE4712



PU palm dipped · Black / grey · Cut level 3

**EN 388-4342 CE**

PE4711 #9 / Medium · PE4712 #10 / Large



## PE4720-PE4724



PU palm dipped · Black / grey · Cut level 5

**EN 388-4542 CE**

PE4720 - #8 / PE4721 - #9 PE4722 - #10  
PE4723 - #11 / PE4724 - #12



## PE4761-PE4763



Silicone gel cut palm Destruction pad · TPR on back and knuckles · Neoprene cuff · Cut level 5

**EN 388-4542**

PE4761 9 / 321 · PE4762 10 / 321  
PE4763 11 / 321



## PE4735-PE4739



Rigger style glove · 13-gauge high-performance polyethylene liner · Red NBR foam coating · TPR on back and knuckles · Cut level 5

**EN 388-4542**

PE4735 8 · PE4736 9 · PE4737 10  
PE4738 11 · PE4739 12



## PE4740-PE4744



Reinforced cowsplit leather palm · 13-gauge high-performance polyethylene liner · Cut level 5

**EN 388-4542**

PE4740 8 / 056 · PE4741 9 / 056  
PE4742 10 / 056 · PE4743 11 / 056  
PE4744 12 / 056



## PE4750-PE4754



Reinforced synthetic leather palm · TPR on back and fingers · Neoprene cuff

**EN 388-4542**

PE4750 8 / 396 · PE4751 9 / 396  
PE4752 10 / 396 · PE4753 11 / 396  
PE4754 12 / 396



## PE4730-PE4733



Sandy nitrile coated · Padded palm · 13-gauge HPPE liner · TPR on back and knuckles · Velcro cuff · Cut level 5

**EN 388-4543**

PE4730 - #9 / PE4321 - #10  
PE4732 - #11 / PE4733 - #12



## PE4767



Synthetic leather palm · Spandex back · Elastic cuff · Waterproof



# GLOVES THAT PROVIDE PROTECTION AGAINST THERMAL HAZARDS

## EN388 - PROTECTION STANDARD

Protection against mechanical hazards is expressed by a pictogram followed by four numbers (performance levels), each representing test performance against a specific hazard.

### 1. RESISTANCE TO ABRASION

Based on the number of cycles required to abrade through the sample glove (abrasion by sandpaper under a stipulated pressure). The protection factor is then indicated on a scale from 1 to 4 depending on how many revolutions are required to make a hole in the material.

### 2. BLADE CUT RESISTANCE

Based on the number of cycles required to cut through the sample at a constant speed. The protection factor is then indicated on a scale from 1 to 4.

### 3. TEAR RESISTANCE

Based on the amount of force required to tear the sample. The protection factor is then indicated on a scale from 1 to 4.

### 4. PUNCTURE RESISTANCE

Based on the amount of force required to pierce the sample with a standard sized

point. The protection factor is then indicated on a scale from 1 to 4.

TEST	PERFORMANCE LEVEL				
	1	2	3	4	5
Abrasion resistance (cycles)	100	500	2000	8000	
Blade cut resistance (factor)	1,2	2,5	5	10	20
Tear resistance (newton)	10	25	50	75	
Puncture resistance (newton)	20	60	100	150	

# GLOVES THAT PROVIDE PROTECTION AGAINST THERMAL HAZARDS

PE4792



Kevlar liner and fire resistant cow leather · PVC shell on back protects knuckles from impact and abrasion · Velcro cuff

EN 388-4543



PE4780-PE4784



Black · Fire resistant cow leather · Nomex and kevlar fabric liner · Reflective strip on back · 200mm cuff elastic cuff · Waterproof

EN 388-2003 · 407-2004 CE

PE4780 8 / FI-385 · PE4781 9 / FI-385  
PE4782 10 / FI-385 · PE4783 11 / FI-385  
PE4784 12 / FI-385



PE4787

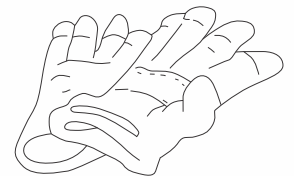


Orange · Fire resistant cow leather · Nomex and kevlar fabric liner · Reflective strip on back · 200mm cuff elastic cuff · Waterproof

EN 388-2003 · 407-2004 CE



Whether your job exposes you to extreme heat or cold, cuts or chemicals, the importance of reliable, **durable gloves** cannot be ignored.



## EN407 - PROTECTION STANDARD

The nature and degree of protection is shown by a pictogram followed by a series of six performance levels, relating to specific protective qualities. The higher the number, the better the test result. The following is tested:

### 1. RESISTANCE TO FLAMMABILITY

The gloves material is stretched and lit with a gas flame. The flame is held against the material for 15 seconds. After the gas flame is distinguished, the length of time is measured for how long the material either glows or burns.

### 2. RESISTANCE TO CONTACT HEAT

The gloves material is exposed to temperatures between +100°C and +500°C. The length of time is then measured for how long it takes the material on the inside of the glove to increase by 10°C from

the starting temperature (approx. 25°C). 15 seconds is the minimum accepted length of time for approval.

### 3. RESISTANCE TO CONVECTIVE HEAT

The amount of time is measured for the heat from a gas flame (80kw / kvm) to increase the temperature of the gloves inside material by 24°C.

### 4. RESISTANCE TO RADIANT HEAT

The gloves material is stretched in front of a heat source with an effect of 20-40 kw / kvm. The average time is measured for heat penetration of 2.5 kw / kvm.

### 5. RESISTANCE TO SMALL SPLASHES OF MOLTEN METAL

The test is based on the total number of drops of molten metal required to increase the temperature by 40°C between the inside of the glove and the skin.

### 6. RESISTANCE TO LARGE SPLASHES OF MOLTEN METAL

Simulated skin is attached to the inside of the glove material. Molten metal is then poured over the glove material. The total number of grams is measured of how much molten metal is required to damage the simulated skin.

≥ = equal to or greater than  
≤ = equal to or less than

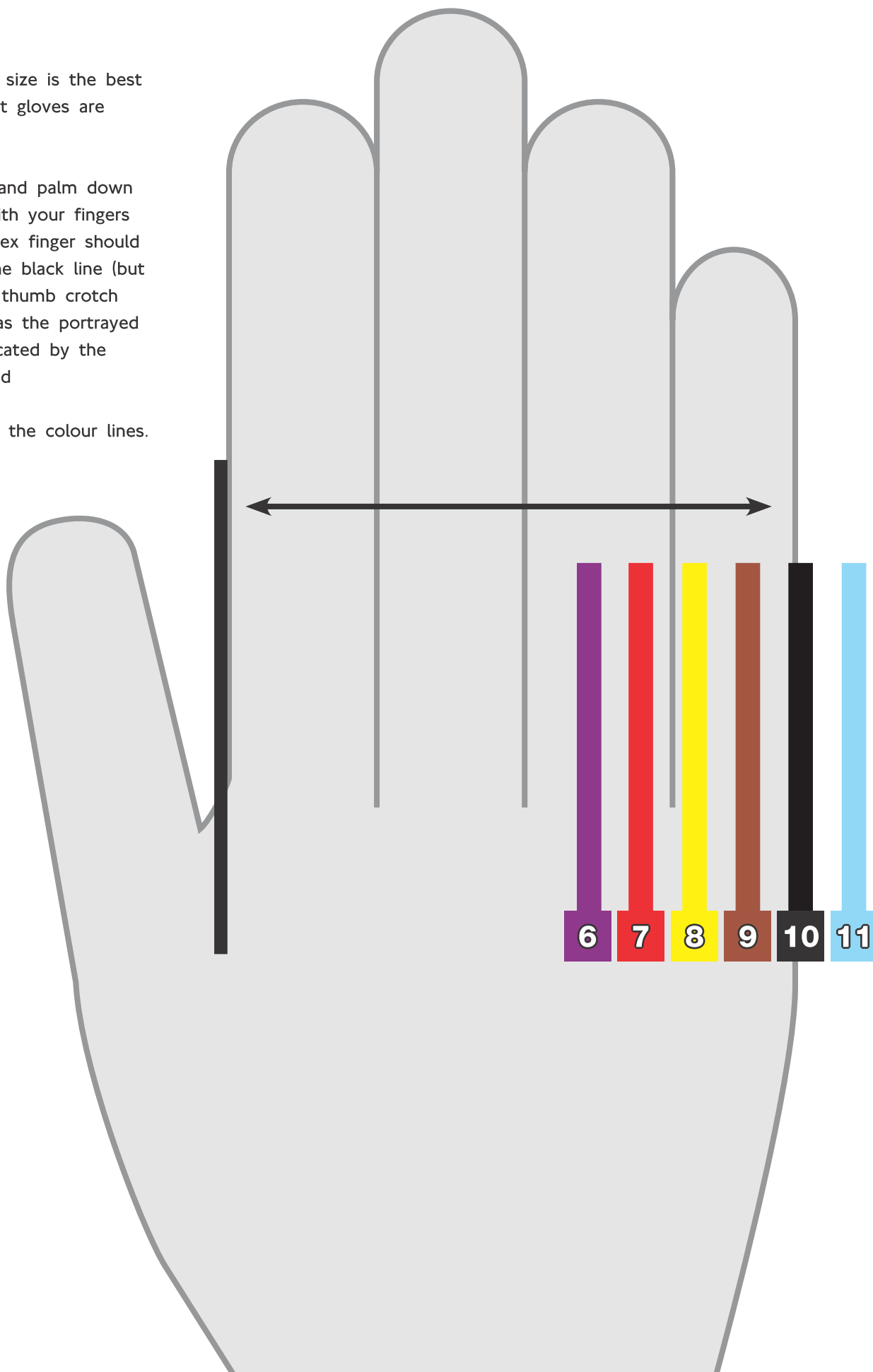
TEST	RESULTS MEASURED	RESULTS			
		1	2	3	4
After-burn time	Seconds	≤20	≤10	≤3	≤2
After-glow time	Seconds	infinity	≤120	≤25	≤5
Contact heat	Temperature in °C after 15 seconds	100°	250°	350°	500°
Convective heat	Seconds	≤4	≤7	≤10	≤18
Radiant heat	Seconds	≤5	≤30	≤90	≤150
Drops of molten metal	Number of drops	≥5	≥15	≥25	≥35
Molten metal	Gram	30	60	120	200



Ordering the right size is the best way to assure that gloves are comfortable.

Place your right hand palm down on the drawing with your fingers together. Your index finger should be aligned with the black line (but not over it), your thumb crotch placed the same as the portrayed hand. Size as indicated by the width of your hand

Read your size on the colour lines.



## SIZES

6	XS
7	S
8	M
9	L
10	XL
11	XXL