

SPW Celsius 15

Technical Foam



SPW Celsius is intended to respond to 3 main needs:

1. For protection workwear against heat and flame in accordance to EN ISO 11612
2. It should be washable
3. Comfort

It can be used for several applications, depending on the requirement. For example SPWCelsius K15 would be used for the knees.



Specific protection

Mousse de caoutchouc cellulaire type SPW Celsius

Density: 150 kg/m³
Shore hardness 00 : 40
Color : black
Thickness: from 2 to 60mm

Presentation

In sheets of 1600 mm x 1000 mm
In cut shapes on demand
In specific shapes on demand
In standard shapes :
Type K15 for the knees
Type E15 for the elbows
Type S15 for the shoulders

Origin

The foam is produced and transformed in French factories
certified ISO 9001 : 2008

Note: This anti flame protection is not considered as a PPE according to the European directive 89/686/CE. Every performance of the product noted on this sheet, is certified from a European Notified Body.

Features

Performances

Heat resistance up to 180° according ISO 17493 :

Dimensional variation:
▶ Expansion of 1.8% on axis Y'Y
▶ Expansion of 3.5 % on axis X'X

Does not ignite
Does not decompose
Does not bend out of shape
Does not melt

Is thus conform to EN ISO 11612

Flame propagation according to ISO 15025 :

Procedure A: lightning of the surface
No persisting flame
No incandescence
No fusion
No melted fragments
No inflamed fragments
No whole

Is thus conform to EN ISO 11612

Insulation :

This foam isolates the protected body part from heat and fire

Comfort :

Improves the comfort in a kneeling position on uneven grounds

Washing test according to ISO 15797 :

After 12 washings at 75°C and 12 drying cycles in the tunnel at 155°C, we note :

- ▶ Linear shrinkage of 0.8% on axis X'X
- ▶ Expansion of 1.5% on axis Y'Y
- ▶ Perfect stability on the thickness

Is thus perfectly stable after washing

Use :

Placed in pockets used for this purpose