

# Technical specs

## M2GEN\_ - M2GEN

**Name:**

KNEE PAD FOR MACH CLOTHING

**Colour:**

Black



**Description :**

Kneepads 20 x 15 cm for trousers, dungarees and overall from the MACH range.

**Materials:**

Polyethylene.

**Instructions for use:**

Protective kneepads to slip into the pocket of MACH lines of trousers, dungarees, or coveralls at knee level, exclusively to protect the knees of users working in the kneeling position from discomfort or injuries which can be caused by hard surfaces, small stones and similar objects on floors not presenting chemical, electrical or heat risks. This article of knee reinforcement is designed to prevent medical complications; however total protection against injuries is not absolute. For an optimal Type 2 protection, these kneepads must be worn with clothing from our MACH ranges. A single article cannot ensure complete protection. Direct contact of this article with the skin during work usage is not recommended. Its prolonged wear in direct contact with the skin may generate heat. To ensure efficient protection, this kneepad should be slipped into the pocket of trousers, dungarees or coveralls at knee level. Identify the outer surface with patterned foam and PANOPLY name. Insert this article into the pocket with visible side to the front and right way up. Close the work garment pocket and finish adjusting to the knee with the trousers on.

**Limits to use:**

Not to be used for protection against further hazards than defined above. This article contains no known carcinogenic or toxic substances, or substances which may cause allergies in sensitive people. Only use for the purposes described in the above instructions for use. This article, in 100% POLYETHYLENE foam, does not contain any substances known to be carcinogenic, toxic, nor which may cause allergies in sensitive persons. Environmental conditions such as cold and heat, chemical products, sunlight or incorrect use, may significantly affect the protective performances and lifespan of this kneepad. A visual inspection should be carried out before use to check for any alteration of the surface, edges or any torn areas of the kneepad. Stop using this article upon signs of deterioration and replace it with a new article.

**Instructions for storage:**

Store in original packaging in a dark, dry place at ambient temperature. Environment: The item of protection may be discarded with the household waste.

**Instructions for cleaning / maintenance:**

No specific cleaning or maintenance for this item.

**Performances :**

The M2GEN plate complies fully with the standard EN 340:2003 and partially with the standard EN 14404:2004. Compliant with European Directive 89/686/CEE, notably in terms of harmlessness, comfort, aeration, flexibility, ergonomics as well as in sizes and dimensions. One size protective kneepads (dimensions 20 cm x 15 cm x 2 cm), tested to EN14404:2004 Standard type 2 level 1 (knee protectors adapted to flat floors where objects of more than 1 cm in height are not a common hazard). Test results are compliant with the limits of this standard :

- ergonomic test # wear test, conducted with the trouser references M3PAN and M2PAW: compliant,



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- dimensions: confirmed by experts as compliant with the ergonomic requirements of the directive,
- for penetration resistance >100 N (test carried out with fabric made of 65% polyester, 35% cotton 245gr/m2), TC 128X60, 21X14,
- for the distribution of force of < 30 N,
- and for the average peak force transmitted of < 3 kN and each individual value of < 4 kN.