



PRODUCT SHEET

MatPART Fireproof mattress N3 M0 HCM 120 EI 240



MatPART is a flexible mattress N3 M0 fireproof mattress for use in chambers in railway and road tunnels.

It protects the power and control cables, control and fiber optic cables for than more 4 hours continously, including 2 hours under a fire hydrocarbon fire (HCM).

Weight and space savings.
Economic savings and time on the interventions.

Benefits

- Set of mattresses adjusted to the dimensions of the draw chambers
- Shock-proof
- Meets the most stringent regulatory requirements (N3)
- Meets the M0 requirements in tunnels
- Maintians electrical functions even during and throughout the action of fire.
- Suitable for small spaces
- Can be handled by one person and is easy to install
- No danger to humans and the environment.

Points clés

N3

➔ HCM 120 & EI 240

4h

➔ Firewall more than 4hrs (including 2hrs under a hydrocarbon fire)

M0

➔ Tunnel requirements

Description

MatPART is a flexible, prefabricated 4 hours fireproof mattress

Dimensions vary according to the size of the room to be protected

Made of non-combustible materials, the mattress maintains the electrical functions (control power, I.V. optical fiber)

Can be dismantled and repositioned on request without joints or intervention with a technician (fireproof degree guaranteed)

Saves time during installations: no cutting on-site, no breakage during handling...



Implementation

- Position a perimeter angle 30x30mm galva 11 cm minimum on the surface of the concrete pad and fix it using M8 dowels or concrete screws M8
- Position a galva mesh type 100x50mm wire 6mm
- Replace the concrete pads on the surface of the chamber
- Repeat the operation in reverse order for the removal (keep the angles) and put back in place according to the after intervention in the chamber



Stages 1 & 2



Stages 3 & 4

Special features

- Thickness: 50mm
- Weight : less than 9kg (for a 600x1000mm)
- Colour : grey (or other on request)
- Weight: about 14kg/m²
- Dimensions : according to the needs on-site (custom-made)
- Guaranteed halogen-free
- Insulating complexe based on fibers and fireproof gel implemented in a M0 fabric cover
- Applicable in all rail and road tunnels
- Secures the structure and its supplies, limits the damage caused by fire
- Economic gain and limited downtime after a possible diaster

Precaution for use:

- Do not walk on the mattress
- Do not pierce
- Handle with care
- Do not expose to the weather
- Store in a sheltered place

Safety measures

- Refer to the product safety data sheet
- Wear appropriate PPE adapted to the conditions on-site

Approvals and qualifications

- CERIB test certificate 2019