

Introducing . . .
New LPI EPR SAFETY MAT

LPI®

NEW



Electrical discharge events present a significant hazard to equipment and assets via earth potential rise and can cause injury or death to animals and humans. Particularly hazardous electrical discharge events include lightning strikes and electric power system faults.

The EPR Safety Mat provides a simple means for mitigating these hazards via its unique three-layer design as shown in Figure 1. The central, electrically-conductive layer rapidly equalises the electrical potential across the mat whilst the upper layer insulates the asset from the electrically-conductive layer. The lower layer, is

a special electrically-conductive elastomer that protects the central layer and provides electrical continuity to that layer, as shown in Figure 1.

All of the layers are highly flexible and hence enable the mat to be rolled and unrolled as required, as shown in Figure 2. An additional product option is available that enables mats to be joined electrically, to create longer ones as required. See Figure 3.

The versatile nature of the EPR Safety Mat, makes its application ideal for many industries and scenarios, including:

- Trafficable areas around large metallic structures (buildings, frames, tanks, etc.)
- Near / around communication masts
- Walkways
- Covered walkways
- Along metallic fences
- Trafficable areas near pipelines
- Railway line maintenance
- Electrical work
- Valve Pits (below ground)
- Piggeries
- Horse stables
- Race courses
- Zoos
- Remote workers
- Lightning Safety Shelters
- Public area shelters (Council Gazebos)
- Military tent operations
- Scouts
- Campers
- Mining and remote workers
- Exploration Drill Rigs
- Fire and emergency services
- Airport operations

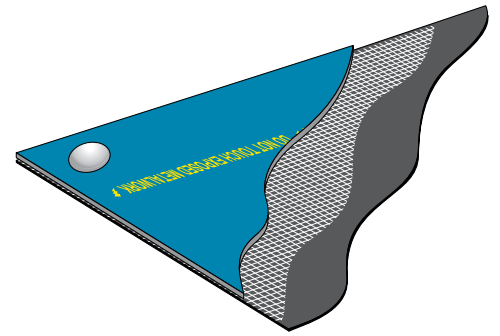


Figure 1.
Three layer construction and corner eyelet of the EPR Safety Mat.

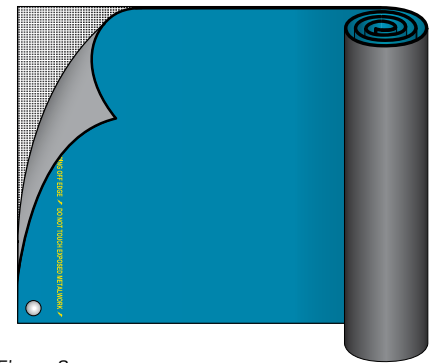


Figure 2.
The EPR Safety Mat's unique three-layer design and rollability for ease of portability.

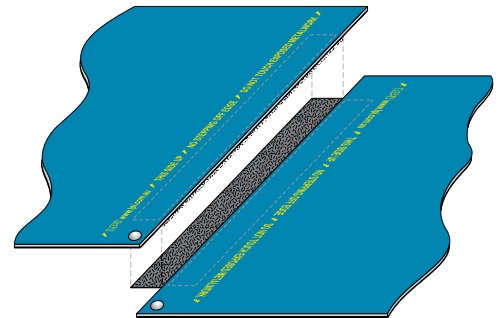


Figure 3.
The EPR Safety Mat can easily be rolled and unrolled as required, and can be joined together in multiple sections.

**LIGHTNING PROTECTION
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