



Automotive Plant Seeks Solution for Customizable, Anti-Fatigue Matting

Case Study | The Advantages of Modular Matting Over Roll Goods

The Challenge

An automotive supplier was preparing to open a new 240,000 square foot state-of-the-art facility. The company safety manager was tasked with finding high-performance, yet cost-effective, anti-fatigue matting for their 875 workers.

The tremendous lengths of the assembly lines, some stretching as long as 400 feet, made this challenging. The task was further complicated by the automotive supplier's "just in time" assembly organization where production lines can change as its product changes. For instance, at opening it could be assembling seats for a large SUV, but months later, they may be assembling seating for a different vehicle that requires a different production line configuration and therefore a different matting configuration.

The safety manager was familiar with standard rolls of deck-plate matting and was ready to "cut and butt" hundreds of 75-foot rolls. This plan had many drawbacks:

01

PVC matting is prone to cracking and curling around the edges, so the likelihood of creating tripping hazards, particularly at the butted areas, is high.

02

When using 75-foot rolls of matting, if a mat sustains damage or extreme wear in a particular location, that entire 75-foot run must be replaced.

03

Cutting rolls of matting and "butting" mats to create long enough runs often looks crude.

The Solution: Hog Heaven® Modular Tiles

M+A Matting presented the benefits of Hog Heaven modular tiles to the automotive suppliers engineering and safety departments. While modular tiles had a higher initial cost than rolls of matting, there were several benefits that made modular matting, specifically Hog Heaven tiles, the clear choice by both departments:

- **Stability and Safety** - Hog Heaven® modular tiles feature a wedge interlocking mechanism that reliably connects each tile to those around it, ensuring a solid installation with no tripping hazards at the seams.
- **Versatility** - Available in two sizes with center, side, and corner pieces, Hog Heaven tiles can be easily lifted, unlocked, moved, and reconfigured as production configurations change.
- **Durability and Performance** - Hog Heaven modular tiles, made with durable nitrile rubber, offer many useful features above and beyond PVC matting, including:



Welding safe



Grease, oil, and chemical resistant



ESD - Electrically Conductive



More comfortable



More slip-resistant in both dry and damp conditions

- **Longevity and Total Cost of Ownership** - Hog Heaven tiles generally lasts twice as long as PVC matting, providing a lower total cost of ownership. A modular matting solution also allows for the replacement of damaged or worn matting at the point of damage rather than replacing an entire run or workstation.



Hog Heaven Tiles vs PVC Tiles

See how the specifications and cost of M+A Matting's Hog Heaven tiles compare to PVC tiles.

PVC Tiles		Hog Heaven
PVC (vinyl)	<i>Surface</i>	Nitrile rubber
7/8"	<i>Thickness</i>	3/4"
4.84% - 14.5%	<i>Compression Deflection</i>	43.9% at 20 psi
0.65	<i>Coefficient of Friction - Dry</i>	0.74
0.42	<i>Coefficient of Friction - Wet</i>	0.77
0 - 120° F	<i>Temperature Use Range</i>	0 - 1800° F
Not rated	<i>ESD Rating</i>	9.4 x 10 ⁵
Not certified	<i>NFSI Certified</i>	Certified high traction

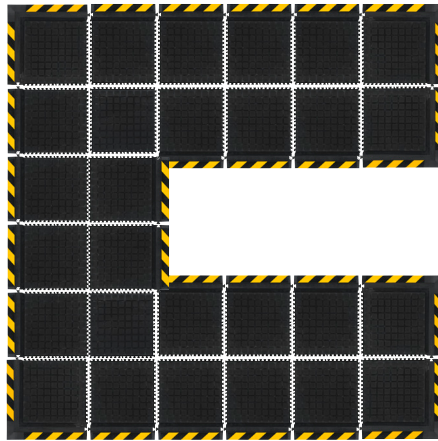
For center, side, and corner tiles, the cost for Hog Heaven is \$43.95, \$59.95, and \$70.95 respectively.

3' x 9' Run



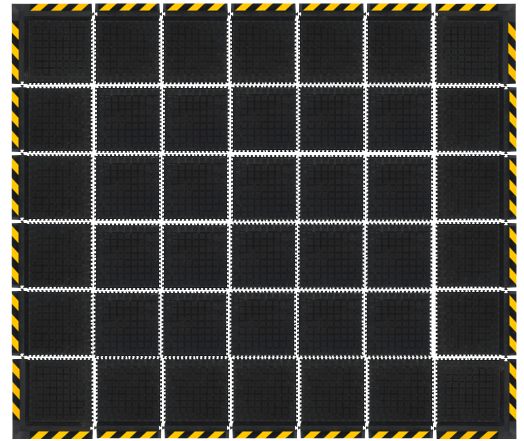
HH		PVC
0	Center	0
8	Side	8
4	Corner	4
\$763	TOTAL	\$1,072

9' x 9' C-Shaped Workstation



HH		PVC
2	Center	2
20	Side	20
6	Corner	6
\$1,713	TOTAL	\$2,715

9' x 10.5' Square Workstation



HH		PVC
20	Center	20
18	Side	18
4	Corner	4
\$2,241	TOTAL	\$2,297

Hog Heaven Tiles are available in modular tiles, linkable tiles, and a workstation. Visit mamatting.com to learn more.

