



# PERMARK



*Stainless Steel Laser Etched  
Flag and Tie-on Markers*



## *Dedicated Service*



### Ordering

all products are delivered to you through a dedicated service to meet your demands and ensure prompt turn-around, delivery and back-up. Simply post, email or fax your data to Express Electrical. Once received we shall check, verify and process.



### Packaging

any instruction for packaging of your markers can be advised allowing us to identify if you require markers dispatched by set, batch, field area or alpha-numerical order. This leads to ease of pickability and improved productivity at site as markers shall be catalogued in an organised fashion.



### Delivering

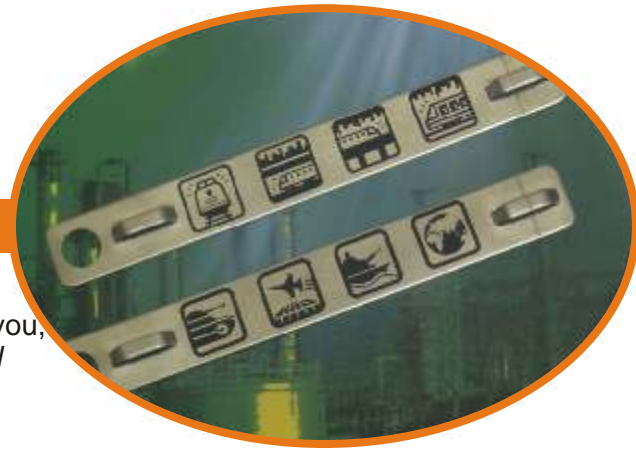
this product is available from Express Electrical to any location worldwide. This product requires efficient, service driven people to deliver on time and as such our dedicated team will ensure we meet your requirements.

## Marking Capabilities

Our unique laser marking process allows us to provide you, the customer, with a diverse range of options to meet *all* your hostile environment marking requirements.

Options available include:

- **BOLD block letters**
- **Upper and lower case character capability**
- **True Type fonts**
- **Standard and 3-D barcoding**
- **Logos and graphics**
- **Multiple lines of text**
- **Varying font sizes on the same marker**
- **Single / one-off production for adds, mods, changes and pre-production samples**
- **Alphanumeric and sequential numbering ability**
- **NO MINIMUM ORDER QUANTITY**
- **Call us now for advice or to discuss your marking requirements**



**Part Number: PP-PM07507**



**Part Number: PP-PM09512**



## Technical Data

### Marking Method

Permark markers were laser marked at 600dpi and then totally immersed in the test solutions below and results recorded.

Organic	1 Hour	12 Hours	24 Hours	168 Hours
Gasoline	No effect	No effect	No effect	No effect
Limonene	No effect	No effect	No effect	No effect
Methyl Ethyl	No effect	No effect	No effect	No effect
N-Butanol	No effect	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect	No effect
Xylene	No effect	No effect	No effect	No effect
Acetone	No effect	No effect	No effect	No effect
Propylene	No effect	No effect	No effect	No effect
Ethanol	No effect	No effect	No effect	No effect
DMSO	No effect	No effect	No effect	No effect
Motor Oil	No effect	No effect	No effect	No effect

Acid / Bases	1 Hour	12 Hours	24 Hours	168 Hours
Hydrochloric Acid	No effect	No effect	*Test Stopped - see notes	
Nitric Acid (68%)	No effect	No effect	No effect	No effect
Sulfuric Acid (conc.)	No effect	No effect	No effect	No effect
Acetic Acid (99.5%)	No effect	No effect	No effect	**see notes
Hydrogen Peroxide (30%)	No effect	No effect	No effect	No effect
Sodium Hydroxide (25%)	No effect	No effect	No effect	No effect
Ammonium Hydroxide (20%)	No effect	No effect	No effect	No effect

\*Acid dissolves steel tag and test was not run over 12 hours  
 After 1 hour acid dissolved 0.2767gms off of steel tag (4.7%) - no effect to mark  
 After 12 hours acid dissolved 1.8057gms off of steel tag (30.6%) - no effect to mark

\*\*Acid discolours after approximately 96 hours - mark appears slightly discoloured



## Contact Us

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