

At Accuform and NMC, we combined the *best-of-the-best* in sign protection to offer you the new and improved Sign Muscle® to increase the longevity of signs, labels, and more.

SIGN MUSCLE®



Sign Muscle® preserves the life of your signs and labels!

Our NEW & Improved Sign Muscle® formulation is powerful enough to survive in most environments... and it's patented*.

Pioneered more than a decade ago, our scientifically strong liquid laminate protects your identification product from virtually any hazard. Durable, strong and resilient, Sign Muscle® delivers protection – guaranteed.

A sign that lasts starts with a quality base material. For example, an industry-tested material like plastic versus a typical competitor material with unknown origins. The wrong base material can speed up damage to the potential life-saving safety message that sits on top. A message that guides a workforce to safety is a message that we can't allow to fade.

Longevity through quality also means scientifically engineered ink-sets specifically created for the materials they will be printed on.

That's the difference, driven by facts and supported by science. Resist fading and easily restore like new!



**PREVENTS
FADING AND
YELLOWING**



**TAGGER
RESISTANT**



**CHEMICAL
RESISTANT**



**ABRASION
RESISTANT**



**CRACK
RESISTANT**



**NO
ADDITIONAL
COST**

▶ See other side for technical and performance specs

TECHNICAL SNAPSHOT



Applied to the surface, Sign Muscle® bonds and dries instantly to defend your messages against the rigors of the world's toughest environments. The printed surface is fully encapsulated, suitable for interior and exterior sign applications. The veracity of the print color is considerably improved due to the UV inhibitors, therefore extending product life.

These products and more; protected by Sign Muscle®.

Sampling of Material Availability	Sign Muscle®
ACP & Aluma-Lite™	✓
Aluminum	✓
Plastic	✓
Vinyl	✓
Galvanized Steel	✓
Reflective Aluminum	✓

Performance Testing Results:

Crosshatch Adhesion	ASTM D3359	Excellent
Humidity	ASTM D4585 500 Hours	Excellent
Adhesion after Humidity	ASTM D3359	Excellent
Chemical and Stain Testing Nonionic and anionic surfactants Ammonia	ASTM 1308 – 24 hours	Excellent
Heat Aging	500 hours at 190°F	Excellent
Adhesion after Heating Aging	ASTM D3359	Excellent
Water Immersion	96 hours in 90°F circulating bath	Excellent
Adhesion after Water Immersion	ASTM D3359	Excellent
Xenon	SAE J1885-1000kJ	Excellent
Adhesion after Xenon	ASTM D3559	Excellent
Taber Abrasion	3000 cycles, 500 gram load CS 10 Wheel	Excellent
Passed 12 hour Solvent and Chemical Resistance on: MEK, IPA, Starting Fluid, Acetone, Heptane, Vinyl Acetate, Ether, Lacquer Thinner, Buytcel		

Products coated with Sign Muscle® liquid laminate are graffiti-resistant to eliminate vandalism concerns and much more. Surface cleans easily with 70%+ alcohol-based common cleaners.

*United States Patent No. 10388190

Shows NO discoloration or adhesion failure after 24 hour immersion in the following chemicals:

- Windshield Washer Fluid
- Pledge®
- Multi-Purpose Cleaner (409)®
- Spic & Span®
- WD-40®
- Oven Cleaner
- Armor All®
- Silicone Lubricant
- Vinyl Cleaner
- Anti-freeze
- Hydrochloric Acid
- Sulfuric Acid
- Potassium Sulfate
- Brake Fluid (DOT 3)
- Rust Remover
- Black Streak Remover
- Furniture Stripper
- Gasoline*
- Kerosene
- Bleach
- Ammonia
- Chlorine
- Aluminum Chloride
- Caustic Soda

*YAMAHA 72 hour gasoline immersion

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