



SMART, SUSTAINABLE
NANO-FORMULATED SOLUTIONS

THERMAL GUARD METAL

A 2-part polyaspartic metal topcoat that creates a waterproof barrier, provides thermal insulation and blocks heat transfer, saving on energy costs!

*USE WITH ARMUS WATER-BASED EPOXY PRIMER

HEAT-BLOCKING NANO-PARTICLES

Armus Thermal Guard Metal has built-in nanoparticles that block heat transfer and reflect thermal radiation. When applied properly to metal surfaces, trucks, trailers and warehouses, this can generate significant energy savings. For reefer trailers, we've seen a reduction in fuel consumption by up to 65% and temperature differences up to 5°F.

DURABLE, SEAMLESS & FLEXIBLE

TG-M is a polyaspartic coating that forms a seamless membrane, eliminating the possibility of water ingress. Our polyaspartic nano-coating is not only strong, but it's flexible, allowing it to expand and contract with temperature changes without cracking or peeling as well!

LESS DOWNTIME TO APPLY

TG-M has a 45-minute max working time, allowing you to take your time during application to ensure full and even coverage. After applying, TG-M has a curing time of 48 hours, faster than other coating options. This is beneficial on sites and projects where minimizing downtime is crucial.

COMPLETE METAL PROTECTION

By creating a waterproof, weather-resistant and UV-resistant barrier on metal surfaces, Thermal Guard Metal treated surfaces are protected from water damage and future corrosion!



FEATURES



SAVE UP TO
65% ON FUEL



BLOCKS HEAT
TRANSFER



UV & WEATHER-
RESISTANT



WATERPROOF
BARRIER



DURABLE &
FLEXIBLE

SUBSTRATES



ALUMINUM



BRASS



BRONZE



STEEL



IMPS

ESTIMATED COVERAGE

• 1 GALLON

NO LOSS FACTOR: ~80.27 SQ. FT PER GAL @ 20 MIL (508 μ m) DRY FILM THICKNESS

NO LOSS FACTOR: ~40.14 SQ. FT PER GAL @ 40 MIL (1016 μ m) DRY FILM THICKNESS

NO LOSS FACTOR: ~26.75 SQ. FT PER GAL @ 60 MIL (1624 μ m) DRY FILM THICKNESS

MAIL: INFO@ARMUSSOLUTIONS.COM

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SEE WHY THE PROS CHOOSE ARMUS.
BETTER PROTECTION.
BETTER FUEL SAVINGS.
BETTER PERFORMANCE.
BETTER FOR THE ENVIRONMENT.

SURFACE PREP, APPLICATION TIPS & REQUIRED PRIMER

With the proper care and application, Thermal Guard Metal can provide long-term protection for your metal surfaces while saving on fuel and energy costs.

Repair the metal surface at joints, seams and penetration points as necessary. Allow any repair tools to fully cure and dry prior to application of Thermal Guard Metal.

Depending on your desired dry-film thickness, we recommend measuring out sections of surface to ensure Thermal Guard Metal is applied at the correct thickness over the coverage area.

Questions about application, your project, substrate, or post-application care? We've got you covered and we're here to help! Email us for more info!



SAVE FUEL AND ENERGY COSTS WHILE PROTECTING YOUR METAL SURFACES!

WATER DAMAGE & CORROSION



TG-M creates a complete UV-resistant and waterproof barrier. This means water damage and corrosion on metal surfaces can be prevented, saving you on costly repair and maintenance costs.

HIGH FUEL COSTS



When applied to reefer trailers, trucks, and RVs, the thermal properties of TG-M can work to block heat transfer and provide thermal insulation. After applying TG-M, keeping your vehicle cooler won't break the bank!

HIGH ENERGY COSTS



The nano-particles in TG-M work in two parts: high emissivity which provides low thermal conductivity, and high reflectivity which results in thermal insulation. When applied on IMPs, TG-M can reduce energy costs, and on trailers, can reduce fuel consumption!

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