



Metal Shield #1267

Rust-Proofing, Soundproofing, Insulating Automotive and Steel Coating

A Space Age solution to the age-old problem of Rust, Condensation, High Heat and Sound control in Automotive and Commercial vehicles, Marine, Industrial Pipelines and Storage Tanks.



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Description:

METAL SHIELD is a rust preventive, heat insulating, soundproofing concentrate containing a blend of space age ceramic insulating microspheres and an industry standard setting anti-corrosion compound. By combining the thermal heat blocking and soundproofing properties of Hy-Tech insulating ceramic microspheres, and a time tested rust preventative concentrate you can now not only protect from rust your Auto, Farm equipment, RV, Industrial Storage Tanks etc but also gain the additional soundproofing and heat resisting properties of Hy-Tech Insulating Ceramic Microspheres, the NASA developed technology for blocking the extremely high heat in spacecraft during re-entry.

Benefits:

METAL SHIELD'S rust preventative concentrate contains a dispersion of an inorganic-organic complex, oxidized petrolatum and microcrystalline wax in solvent. The complex is very polar and forms excellent bonds with ferrous and non-ferrous metals. Metal Shield also shows excellent electrical resistance and very low moisture vapor transmission rates. Our product is comparable to PVC, Teflon, Polyethene, Bakelite, Nylon and Plexiglass.

Uses:

METAL SHIELD resins are used over existing coatings systems on Bridges and other metal surfaces to encapsulate lead, asbestos and prevent corrosion. This single component product displaces moisture and does not lift existing coatings. The base resin is highly corrosion resistant providing several thousand hours of salt fog resistance.

The Hy-Tech insulating ceramic microspheres not only aid in soundproofing but the thermal resistance properties of the vacuum ceramic beads will reduce the heat transfer on any surface to which it is applied by refracting, reflecting, and dissipating radiant heat thus reducing heat build-up and heat transfer.

Surface Preparation:

Surface should be clean and free of all contamination including dirt, oil and grease. Remove oil or grease. Remove salt and dirt deposits using a fresh water rinse at low pressure. Remove pack rust, loose coating and other foreign matter.

** Note - Encapsulating Lead Base Coatings. OSHA respiratory requirements require half mask air purifying respirator with high efficiency filters (this is minimum requirement by OSHA when working with lead).*

KEEP FROM FREEZING
 Do not apply when temperatures are below 50°F.
 Coatings should only be applied when ventilation is adequate.

Application:

This product can be used as a single coat system (5-6 mils wet) or a two coat system. When using a two coat system a "wet on wet" application method is recommended. This can be achieved by applying one coat of **METAL SHIELD** at 5-6 wet mils, let flash for two hours and apply another coat at 10 wet mils.

Equipment:

Airless spray - 30:1 Graco Bulldog with 3/8" I.D. high pressure line and a Graco silver gun with a .021-.024 spray tip.
 Conventional spray - Use a DV-MBC gun or equivalent with a D fluid nozzle and a 64 air cap.
 * Note - Brush and roller application can be used as well as other spray equipment.

Recommended:

Single Coat as rust proofing primer 5-6 mils wet.
 As rust proof undercoating, wet film thickness 11-13 mils.

Sag Resistance: 60 mils.

Coverage: 150 square feet at 8 mils DFT.

Thinning: No thinning is recommended but use mineral spirits if necessary.

Mixing: Mix by hand.

Drying times

@ 75 degrees Fahrenheit Dust free -- 60 minutes. Firm -- 48 hours or more.

Recoat ability -- No maximum.

Clean Up: Clean equipment with mineral spirits. Topcoats: Not normally required and not recommended.

**CAUTION! KEEP OUT OF REACH OF CHILDREN.
 DO NOT TAKE INTERNALLY. CLOSE CONTAINER AFTER EACH USE.**

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Hy-Tech Thermal Solutions, LLC nor our agents shall be responsible for the use or results of use of this product or any procedures or apparatus mentioned. We recommend that the prospective user determine the suitability of the product for each specific project and for the health and safety of personnel working in the area. For information on safety hazards associated with this product please refer to MSDS sheets.