

Technical Data Sheet (TDS)

Product Description

MetalTek is a single component moisture cured polyurethane coating. MetalTek is a self-priming, metallic pigmented, one step finish coat. MetalTek penetrates and seals pores, cracks and voids in the substrate or old paint film and encapsulates surface rust.

Product features:

- Low temperature cure
- Rust encapsulation
- Self-priming
- Temperature resistant to 390°F (200°C)

Recommended Uses

MetalTek is intended for industrial applications; either new build or maintenance.

MetalTek is designed and developed for the treatment, encapsulation and coating of structural steel, bridges and rusted surfaces.

As MetalTek cures, it gasses off and expands. The metallic pigment is then pushed into the voids and encapsulates surface rust. This creates an extremely durable, chemical resistant, metal reinforced urethane surface.

MetalTek can be applied below freezing as the moisture cured resin system will provide a satisfactory rate of cure.

Industries:

- Oilfield & Energy Services
 - Well Service Vehicles
 - Drilling
 - Tanks
- Cranes and Construction Equipment
- Waste and Recycling Industry
 - Garbage Trucks
- Trailers and Rolling Stock

Mix Ratio

MetalTek is a single component product.

Product Characteristics

| | |
|------------------------------------------------|-----------------------------|
| Finish: | Low gloss metallic aluminum |
| Volume Solids Mixed: (Unreduced) | 63% ± 1% |
| VOC Mixed (Unreduced): EPA Method 24 | 314 g/l 2.62 lb /gal |
| Shelf Life: | |
| MetalTek | 1 year |
| For unopened product (77°F (25°C)) | |

Note: Once opened the product will start reacting with atmospheric moisture. Only remove the amount of material that can be used within 1-2 hours. Reseal the original container once the material needed has been removed.

Surface Preparation

Surface must be free of all contaminants such as dust, oil, grease and salt.

MetalTek can be used where conditions are difficult and normal surface preparation is not feasible.

Where and when possible – rinse or clean the area to be repaired for visual identification of mechanical damage or existing rust/corrosion.

Grind/power sand or scuff with 80 – 120 grit to remove surface rust or corrosion.

Application Method

MetalTek can be applied using most spray painting systems.

Electrostatic spray is NOT recommended.

Apply 1-2 coats as required to achieve the desired film thickness. Allow sufficient flash time between coats especially with higher film builds applied (20-30 minutes).

Technical Data Sheet (TDS)

Ordering Information (sizing)

Available in Quarts and Gallons.
Other custom sizes may be available.

Product lead times may apply.
Please contact your Endura Representative for further information regarding stock availability and lead times.

| | | |
|----------|-------------|-------|
| 1 Quart | | |
| MetalTek | FMI0023-020 | 1 Qt. |

| | | |
|----------|-------------|--------|
| 1 Gallon | | |
| MetalTek | FMI0023-030 | 1 Gal. |

Environmental Conditions

For optimum coating performance, product, substrate and ambient temperature should be between 68°F-77°F (20°C-25°C). To prevent condensation during application the surface temperature must be 5°F (3°C) or more above the dew point at all times.

For use outside this range please contact your Endura Representative.

Specifications

| | | |
|--------------------|------------|-----------------------------------|
| Hardness | ASTM D3363 | F |
| Solvent Resistance | ASTM D4752 | 100 MEK Rubs; No failure |
| Impact Resistance | ASTM D2794 | 80 in. lbs; NO failure |
| Flexibility | ASTM D522 | 5/16 in. mandrel bend: NO failure |

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be found on our website at www.endurapaint.com.