

Metal Protect 5000



Peelable Coating/Temporary
Maskant

TYPICAL PROPERTIES

Color: Clear dry film
Weight: 9.3 lbs/gallon
Viscosity: 8,000-12,000
centipoise
Flashpoint: None

SHIPPING

Ships in 1 Gallon Metal Can, 5
Gallon Plastic Bucket, 55 Gallon
Open Head Plastic Drum

Description

Metal Protect 5000 can be used as a peelable coating on steel surfaces to eliminate flash rusting or as protection on glass, aluminum and many other hard surfaces. It is well stabilized against brittleness and it will not be softened or penetrated by most solvent-based paints.

Recommended Application

1

Perform patch test.

2

Metal Protect 5000 is used as received
It can be applied by air or airless spray, roll
coating, or brushing. (Use lamb's wool roller).

3

Apply product evenly to produce a dry
film thickness of approximately 7-10
mils or wet film thickness of 14-20
mils.

Benefits

Multifunctional product.
More effective protection.
Efficient delivery systems that make it economical to treat hard-to-
protect items.
Easy application.
Improved health, safety, and pollution control.
Zero VOC
Elimination of extra processing steps or repair time.

Health & Safety

Keep away from heat, sparks and open flame. Please refer to SDS for
proper safety instructions.

Storage

Keep the containers tightly closed. Store in a cool - absolutely frost-free,
dry place. Metal Protect 5000 has shelf life of 1 year from the date of
manufacture.

Patch Test

Because it is difficult to determine the type and condition of the surface,
perform a small patch test first. It will determine the peelability of the
coating on your particular surface, it will define the coverage and the
approximate amount of time required for it to work and to remove off of
surface.

Related Products

Metal Protect 5000 has 2 years durability (as opposed to 1 year with Metal Protect 5003), but does not offer anti block resistance (during transport) of Metal Protect 5003. Metal Protect 5000 does not offer as much UV resistance as Metal Protect 5201.

Application

Do not apply if temperature is below 45°F. For best results should be applied at 45°F to 100°F and low humidity. Using standard good atomizing spray equipment (e.g. DeVilbiss MBC gun, FF nozzle and No 765 air cap) with pressure feed, a 100 micron (0.004") film can be applied to a vertical surface in one coat. Atomization pressure of 5ATM (75lbs/sq in) and sufficient pot pressure (0.3 ATM - 5lbs/sq in) to obtain proper fluid delivery is recommended. Airless spray can also be used such as Graco No 205-904 with a 163-168 insert and a 28:1 ratio pump. Use water only for cleaning spray equipment.

Tack Free Drying time

Drying time is dependent on temperature. At 70°F, product will dry in approximately 24 hours. You can enhance drying time by air movement and other suitable means.

Coverage

When applied to a wet film thickness of 14-20 mils, 1 gallon of Metal Protect 5000 provides approximately 75-110 square feet of coverage.

Removal

Metal Protect 5000 can be removed by peeling. Metal Protect is peel able at temperatures of 59F (15.5C) to 95F (35C). The dried peelable coating should be removed within 2 years. The dry coating is disposed like paint films and other solid materials.

External Weather Resistance

Long-term exposure to sunlight may cause premature deterioration and brittleness of the film. If components are to be stored externally for several weeks we recommend the application of acrylic topcoat which will protect for 12 months and more.

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