



Data Sheet 2 - Painting

Thermacure High Temperature paints are manufactured to be applied in a specific way.

This guide contains instructions for proper use of the paint. Care in following the steps can help prevent the most common problems.

For Surface Preparation; please see **Data Sheet 1 – Preparation**.

Most products can be repainted with Thermacure High Temperature Paint without any problems.

In order to check for compatibility between paints you should always test the paint on a small inconspicuous area first and run up to temperature following the instructions on the product label.

Any incompatibility is likely to appear in the form of blistering in conjunction with softening of the paint.

If the original paint is not compatible with Thermacure, or if the product already has multiple layers of paint, then we strongly recommend removing the paint by sandblasting or sanding down to metal.

Our paint products cannot be used on vitreous enamelled surfaces and we have only carried out testing on metal substrates so we cannot confirm its suitability on any other surfaces or materials.

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The application of Thermacure High Temperature Paint requires some care to get the best results.

There are some common techniques for using any aerosol paint and there are details specific to using Thermacure in an aerosol.

Shake the can for 2 minutes to completely mix the paint pigment, metallics and solvents for the best uniform finish when sprayed.

If the can is not mixed properly, it can lead to spitting or even a clogged tip.

WARNING: The vapours and propellant coming from the aerosol can are HIGHLY FLAMMABLE. Extinguish all flames and keep away from sources of spark when spraying.

HEALTH WARNING: Vapours are harmful if breathed directly. Use the product in a well-ventilated area. Use eye protection to avoid accidental contact with spray. Wear gloves and appropriate clothing to avoid skin irritation due to contact with the solvents and other chemicals in the paint.

BEFORE you spray the paint on the product, please note the following:

1 The best results are achieved when the paint, the surface of the product and the air temperature are above 65° F and below 85°F.

You can warm a cold can of paint (from storage or left in cold temperatures) by running hot tap water over it for two minutes. Do not over heat the can or expose it to open flame of any kind.

2 Be sure the area is well-ventilated, that all open flames have been extinguished and that you are wearing appropriate protection for spraying the paint (eye protection, etc.).

3 Test spray on a piece of cardboard to be sure the paint is ready for use. Often the first spray from an aerosol can is mostly propellant with very little pigment. This test spray will bring the well-shaken paint mixture to the tip ready for your first pass on the surface.

4 Our paint products are designed as a one-coat coating and if more than one-coat is required the second coat should be applied whilst the first coat is still wet for best results.

5 Paint should be sprayed from about 12 to 15 inches. If you get too close, the paint will likely drip or run. If you get too far away, the paint will dry in the air and result in a gritty finish.

6 The paint typically dries to touch in about 20 minutes.

The paint will dry to handle in about 2 hours. The paint can fully air dry without any heat in about 5 days.

The paint is formulated to be heat set for the long-lasting, durable, heat-resistant finish you expect from Thermacure High Temperature Paint.

Trouble Shooting:

If the paint peels or looks like shattered glass and comes off in thin strips, this is an indication that too much paint was applied.

The best remedy for this condition is to remove as much of the paint as possible, wipe down the surface (as described in surface preparation) and repaint; taking care to apply the paint while spraying from at least 12 inches from the surface (but not farther than 18" from the surface).

If the finish is textured or gritty, it indicates dry spray occurred during application. This happens when the spray tip is too far from the surface, and the paint actually partially dries in the air before reaching the surface.

The best remedy for this condition is to sand off the gritty areas, wipe down the surface (as described in surface preparation) and repaint; taking care to apply a light coat from a distance of less than 18 inches from the surface of the stove (but not closer than 12" from the surface).

NOTE:

Wait at least 4 hours before attempting to light a stove or use a product in a high temperature situation.

During the initial use, there may be some visible smoke near the product surface. There may also be an unpleasant odour. To lessen this effect, ventilate the room with open windows and doors to provide fresh air.

Always follow the instructions on the product in conjunction with the above additional information and contact the manufacturer, if required, should you have any additional technical questions relating to these products.

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