



2K Liquid Metal Paint Technical Data Sheet

DESCRIPTION

Metal Veneers is a specially formulated real metal paint range, guaranteed to be easy to use for even the most discombobulated novice paint user. Our carefully guarded recipe combines real metal elements to provide the very best, pure metal finish for patrons with even the most exacting of tastes. Our liquid metal paint method allows you to coat almost any surface in a layer of real metal paint to give you the most natural metallic finish on the market.

COLOUR AVAILABILITY

- Alpha Bronze
- Copper and Robbers
- Brass Monkeys
- Iron Horse
- Tin Man

CONTENTS OF KIT

- 2K Metal Base Resin
- 2K Metal Fixing Agent
- Metal Additive

SHELF LIFE

12 months unmixed
Shelf life once mixed: 1.5 hours

GUN SET UP

Medium sized: 1.4mm- 1.6mm

AIR PRESSURE

40- 45 psi at the gun

PREPARATION

For the Metal Veneers paint to form a resilient bond with the surface, the correct preparation of the substrate surface is crucial. This product is best applied over a 2K primer that has been fully cured and abraded with a 180-grit sanding disc, the only exception to this is when using the TIn we advise to use 240 grit.

Epoxy primers should not be used.

MIXING

1:1:6 mixing ratio by mass in grams

1 x 2K Metal Base Resin : 1 x 2K Fixing Agent : 6 x Metal Additive

Mixing Ratio = 1 : 1: 6

Metal Base Resin : Metal Fixing Agent : Metal Additive

Total Amount of Paint Required (g)	Amount of Metal Base Resin (g)	Amount of Metal Fixing Agent (g)	Amount of Metal Additive (g)
200	25	25	150
500	62.5	62.5	375
1000 (1Kg)	125	125	750
1500 (1.5Kg)	187.5	187.5	1125
2500 (2Kg)	312.5	312.5	1875

Mix thoroughly until the paint has a smooth, creamy consistency with no lumps of pigment.

Do not filter before use - if using a 3M PPS system, remove the filter from the lid before use.

Shelf life once mixed: 1.5 hours

APPLICATION

Please note: due to the heavy nature of the pigment particles, paint must be sprayed immediately once dispensed into the spray gun, if the spray gun has been put down for a few minutes it's a good idea to back blow the spray gun by covering the spray cap with a cloth and spraying the trigger this will back blow the air into the paint pot this will help disperse the metal pigments into the resin.

When refilling the spray gun ensure the paint has been stirred well as this paint is very heavy it will start to sink to the bottom of the can.

It is imperative that the paint is applied as evenly as possible with no runs or drips.

Apply a good dry dust colour coat followed by wet coat - *please note when using copper you will need to apply 2 dry dust coats to get the dry colour before apply a wet coat* (ensure the whole area looks wet)
Use a 50% overlap pattern to get even coverage.

Depending on spray gun set up you will need to hold the gun a lot closer to the surface than normal 2k paint due to the weight of the paint.

As with all specialist paints we would recommend you spray and polish back some test pieces before you try the paint on your project.

If spraying a complex shape with sharp edges or high detailing, it is recommended to give all the high areas a wet coat first. Allow to flash off for 20 minutes, and then apply a dust colour coat all over, followed by a good wet coat. This will prevent breaking through during polishing.

For larger items, we recommend the use of a suction feed spray gun with metal stainless steel ball bearings to help agitate the pigment and stop the blockages that may occur in a gravity feed gun.

DRYING

Allow 18 hours drying time at constant 19°C

Alternatively, leave the item to fully flash off for 20 minutes.
Place into a preheated oven at 55°C for 35 minutes.

FINISHING

Satin finish:

Use medium – heavy wire wool to remove the surface layer of dried resin to reveal the metal underneath
Follow by a metal polish (such as 'Autosol')

High Gloss finish:

Start by using a 400 grit polishing paper

Then move to 600 grit polishing paper

Then 1200 grit paper

Then 2000 grit paper

Then 4000 grit paper

The polishing process will create heat from the friction. Leave the item to one side to rest before the final stage.

Apply a metal polish such as 'Autosol' to finish.

PATINATION EFFECTS – Metal Veneers Antiquing Solution

Patination can be undertaken once the matt outer layer has been removed to reveal the raw metal underneath.

Apply Metal Veneers Antiquing Solution to the raw surface and gently rub in using a scotch pad.

Wear Gloves to reduce the risk of grease transfer.

AFTER CARE

This coating creates a real exposed metal surface and so will oxidise like any metal. Use our microcrystalline wax to protect the surface and prolong the high shine.

CLEANING

Solvent based gun wash (thinners) should be used to clean all apparatus after use.

HEALTH AND SAFETY

IMPORTANT:

Please read all material safety data sheets for all products before use.

Due to the inability of our company to anticipate or control conditions whereby our products will be employed, we do not represent or guarantee that any of our products are fit for a particular purpose. Our products should be tested by users to determine suitability for a particular purpose. We disclaim responsibility for claims and damages beyond replacement of any defective product. There are no warranties which extend beyond the description on the face here of.