

METALLIC PAINT TDS

1. **Product Name:** Metallic Paint and Crystal Sparkle Paint

2. **Individual Products:**
Bright Gold, Amber Gold, Rose Gold, Copper, Bronze, Brass, Champagne, Bright Silver, Deep Silver, Malachite, Olive, Azure, Rufous, Black Pearl, Crystal Sparkle Silver, Crystal Sparkle Gold

3. **What these products are used for:**

For feature walls, entire rooms, roof domes, professional art, acrylic pouring, arts & crafts, exterior house highlights, plant pots, movie sets, hotel foyers and general décor.
For Interior and Exterior applications.

4. **Appearance:**

Metallic colours have a glossy metallic finish. Apart from the glossy nature and metallic colour the metallic effect is enhanced by the shimmer of actual metallic and pearlescent pigments. All paints contain aluminum particles which give them excellent hiding power.

Crystal Sparkle is a clear paint that can be painted over any other acrylic paint to create a subtle sparkle effect. It also imparts a semi-gloss, stain resistant finish.

5. **Preparation and Priming**

Prepare and prime as for any normal water based (acrylic/PVA) wall paint. If you have any doubts on how to prepare or prime a specific surface please ask us or your local hardware store.
These paints are adhesion promoted and made with a low PVC (high binder content) but for best results preparation and priming are still important.

Common surface types - priming guidelines:

Plaster: Allow plaster to dry for 3 weeks. Apply one coat Plaster Primer. Apply 2 coats Metallic Paint.

Interior Wood: Metallic Paint can be applied directly to the wood (but note the wood may absorb the paint making it dry quickly and difficult to get a perfect finish).

Exterior Wood: Pink Wood Primer followed by Universal Undercoat. Apply 2 coats Metallic Paint.

Galvanised Iron: Clean with Galvanised Iron Cleaner then apply water based Galvanised Iron primer. Apply 2 coats Metallic Paint.

Mild Steel: Apply rust preventing water-based primer. Apply 2 coats Metallic Paint. If a solvent based metal primer is used then apply a coat of Universal Undercoat over it followed by 2 coats Metallic Paint.

6. **Durability:**

Life expectancy before any noticeable colour fading may occur:

Interior: 12 years

Exterior: 4 years in sunny areas

The dry paint film is highly rain resistant. The pure acrylic binder is highly UV resistant.

The dry paint film is fairly hard making the paint suitable for areas such as skirting boards. Despite the hard finish the paint is still sufficient flexible for application on canvases that will be rolled.

The dry paint film is dirt and stain resistant and thus easy to clean. Many forms of dirt just wipe off with a damp cloth.

In demanding environments such as floors and hand rails we recommend the application of our Clear Top Coat over the paints. This will protect the paint and make it even easier to clean.

7. Application:

Only apply Metallic Paint once the primer or undercoat has dried for the time it requires.

Allow 2-4 hours between coats of Metallic Paint (always use 2 coats on exterior surfaces).

Allow 6 hours before rain (due to being a glossy paint the drying time is a little slower than other water-based paints).

Allow 10 days before washing or scrubbing.

Application can be by brush or roller, airless spray or even by air spray equipment. We suggest that you read our document "Tips for Painting with Metallic Paints" especially if you want to spray the paint or paint a large surface wall.

7.1 Airless Spray: Use the paint as supplied.

7.2 HPLV Spray (5 bar): a nozzle size of 1.8mm works well. 14% dilution with water is recommended for air-spray applications:

7.3 HVLP Spray (0.1-0.2 bar): a nozzle size of 2.5mm should work. Don't over dilute the paint with water, rather mix it with our Acrylic Airbrush Medium to thin it.

7.4 Airbrush Spray: mix the paint with our Acrylic Airbrush Medium to thin it.

7.5 Brush and Roller:

- Dilute the paint a little if required

On smooth surfaces you may get brush or roller marks that are visible. On such surfaces you can dilute the paint with a little water. You can test the paint first to see if you need to dilute it on your specific surface. If dilution is required we suggest diluting with about 5-7% water or Flow Control Medium (50-70ml water or Flow Control added and stirred well into 1 litre paint).

Another advantage of dilution with water is that it slows the drying rate which will help maintain a wet edge in fast drying conditions.

If you over-dilute the paint you may get roller spray and air bubbles forming in the paint film as the roller moves. Dilution may result in you requiring an extra coat as the each paint film will be thinner.

- Always maintain a wet edge when painting (important as the paint has a glossy finish).

To assist with this prime porous surfaces before painting with Metallic Paint.

Do not paint in direct sunlight or onto hot surfaces. Start at one corner and move in one direction. For large surfaces we recommend a second painter to do cutting in and move the ladder.

Paint in an environment between 6-30°C.

- Brush and Roller Motion

Move the brush or roller up and down (or left and right). Do not use haphazard motion. This is because the metallic particles are aligned by the brush or roller movement so haphazard roller movements will lead to the appearance of shade variation in the dry paint.

On a wall start on the left edge and only roll up and down in fairly straight lines. When one roller width has been completed move to the right and go up and down again with a sufficient overlap of the previously painted area. Work quickly and once about 10 roller widths have been completed return to the start and move the roller only in a downward motion from roof to floor applying very low pressure. This ensures all surface pigments have the same alignment. Complete the wall in the same way.

8. Spread Rate and Hiding Power (roller application)

1 Litre paints approximately 10m².

The spread rate may be higher on smooth surfaces and lower on textured surfaces.

Dry film thickness of a single coat varies a little for the different colours but averages 40 um.

All products have high hiding power so 1 coat applications are possible. Use 2 coats for all exterior applications.

9. Safety and Environmental:

Please see the product MSDS

The liquid paints are non-flammable as they are water-based.

Water-based paints such as these are far more environmentally and health friendly than solvent/oil based paints.

These paints have Low VOC (VOC less than 40g per litre).

They contain a small amount of solvent but far less than conventional alkyd / solvent paints meaning that their odour is a lower and does not linger for days. They don't contain lead, nonylphenyl ethoxylate, formaldehyde or white spirits that commonly make water based paints less environmentally friendly.

As with all paints use only in well ventilated areas. Do not ingest paint and avoid excess skin contact. Avoid all eye contact.

Revised: 3 July 2019