

REFLECTIVE PAINT - TDS

1. What Reflective Paints should be used for:

Safety Reflective Paint for pillars, walls, rock faces, concrete barriers, trees, poles etc. Ideal for many places and application where reflective tape is not suitable or as a cost effective replacement of reflective tape in some applications.

This is a safety paint that only reflects light back towards the source of the light. As such it is usually used to alert vehicle drivers or people with torches or headlamps to something specific, often to a danger but also to things of interest.

2. Top Coat and Base Coat

Select between a Smooth or Textured Top Coat.

Smooth and Textured Reflective Paint Top Coats are sold together with high visibility Base Coat colour of your choice.

One of the Base Coats is compulsory if you select the Textured Top Coat as it will not work well over other paint colours (the system will not let you order if you select "No Base Coat").

A Base Coat is optional if you select the Smooth Top Coat. You can apply Smooth Top Coat over any acrylic paint or suitable surface of any colour.

3. Things people often ask for that this paint can't do:

- This paint is not a road marking paint. (It should only be used on vertical surfaces.)
- This paint is not suitable for painting onto vehicles, bicycles, helmets, clothing or similar applications. It is not usually suitable for sign boards unless these are painted onto a wall or barrier.
- This paint is not a thermal reflective paint to put on your roof to keep your house cool.
- This paint is not a silver paint that reflects light in all direction.
- Please do not confuse "reflective" with "glow-in-the-dark", they are completely different. You can select a Glow-in-the-dark Base Coat to get both effects.

4. Application of Textured Reflective Paint

- Surfaces should be prepared and primed (if necessary) as per normal acrylic paint.
- Apply two coats of Base Coat with brush, roller or airless spray.
- Usually apply only a single coat of Top Coat over the Base Coat.
- The Top Coat contains large particles. It cannot be sprayed or applied with a roller, only with a brush.
- 1 Litre Base Coat covers 10-12m² per coat and you should use two coats. 1 Litre Top Coat cover 4-5m² and you only need 1 coat.
- As the name indicates, the finished paint is significantly textured. This is not a mild texture, it is really rough.
- The Top Coat alone does not work well on most normal paints which is why we sell the Base Coat and Top Coat together.
- You cannot cover the Top Coat with any other coating, clear or otherwise.

5. Application of Smooth Reflective Paint

- Surfaces should be prepared and primed (if necessary) as per normal acrylic paint.
- One of our Base Coats is optional but bright base coat colours add an additional safety feature, even during the day. You can apply Smooth Top Coat over any acrylic paint or suitable surface of any colour.

- If you purchase Smooth Top Coat and Base Coat then first apply 2 coats of Base Coat. 1 Litre Base Coat covers approximately 10m² per coat and you should use two coats.
- In order to see significant colour in the reflected light, apply only a 1 coat of Smooth Reflective Top Coat. 1 Litre covers approximately 10m² per coat so if you use only a single coat you will have Top Coat left over (as you used two coats of Base Coat). You can apply this Top Coat over any other acrylic paint.
- To see a brighter reflection but with much less colour in the reflected light you can apply 2 coats of Smooth Reflective Top Coat. The reflected light will be predominantly white if you use 2 coats of Smooth Reflective Top Coat.
- Apply Smooth Reflective Top Coat with brush, roller or airless spray.
- You cannot cover this paint with any other coating, clear or otherwise.

6. Key Properties

- Reflects light directly back towards the source of the light.
- The Top Coats are durable, UV stable and suitable for Interior & Exterior applications. Some Base Coats are for interior only as indicated in their name.
- Pure acrylic, water based paint.
- Low VOC (less than 40g/litre) and Formaldehyde Free. As with all our products this paint is environmentally responsible and health friendly.

7. Advantages of Reflective Paint vs. Reflective Tape

- Paint can be applied to rough and uneven surfaces.
- Paint is more cost effective when covering large areas.
- Paint can be applied in complex shapes and patterns.
- Paint cannot be pulled off and stolen after application.
- This paint is available with additional features such as neon colours and a glow-in-the-dark effect.

8. Disadvantages of Reflective Paint vs. Reflective Tape

- Paint takes longer to apply.
- Paint is limited to certain surface types e.g. this paint cannot be used on vehicles.
- Good quality reflective tape has more reflective intensity than reflective paint.

9. Packaging and Storage

- Available in 100ml, 300ml, 1 litre and 5 litre units.
- 2-year shelf life of unopened containers. It may require a stir each time before use.
- Do not allow the paint to freeze.

10. 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.

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