

Guardian White & Glow

Photoluminescent Line Marking

FEATURES

Guardian White and Glow is a specially formulated water based, line marking coating. **Guardian White and Glow** contains a photo luminescent pigment which glows when there is no light. Titanium dioxide is added so that when there is visible light the coating has a bright white appearance and the photo luminescent pigment is able to charge.

Guardian White and Glow contains a fast curing polymer which has excellent adhesion to porous surfaces and provides a strong, long lasting binder system for the coating. The product has been designed to be sprayed using line marking equipment and is able to be applied to a high build finish which cures quickly allowing the area to be marked to return to its normal function quickly.

Guardian White and Glow is a low VOC, environmentally friendly coating which is easy to apply to surfaces with minimum surface preparation required.

RECOMMENDED USES

Guardian White and Glow is a line marking coating for porous surfaces such as cement, concrete, stone, brick and fibre cement. It is ideal as a demarcation coating for situations where there is foot traffic, bicycle and vehicle traffic.

Guardian White and Glow can be applied in exterior situations such as foot paths, bicycle paths, car parks, building surrounds. Interior applications such as warehouses, factories, lunchrooms, workshops are suitable where safety and line marking is required.

A prominent white line is visible when light is present. Visible light charges the photo luminescent pigment so that when there is no visible light, that stored energy is emitted in the form of a glow. If there is background light, the strength of the glow is reduced. The glow is strongest during complete darkness, provided the coating has had adequate time to charge.

SPECIFICATION DATA

Finish:	Semi Gloss	Coverage:	5-6 m ² / litre per coat, depending on porosity of the surface
Application:	Spray. Brush or roller for small areas	Number of Coats:	2 coats on previously uncoated surfaces. 1 coat onto existing line marking paint
Equipment wash:	Water, immediately after use	Touch Dry:	15-20 minutes
Storage:	Store in cool dry conditions	Hard Dry:	90-100 minutes
		Recoat time:	30 minutes

SURFACE PREPARATION

Ensure the surface is clean, dry and free from oil or grease. Any surface contamination that could interfere with adhesion of the coating should be removed.

Previously uncoated areas should be high pressure water washed, using a water based degreaser if required, rinsed and allowed to dry. Dense substrates may require an acid wash of 1 part hydrochloric acid to 5 parts water and a fresh water rinse. Allow to dry at least for 24 hours prior to application.

Surfaces that have been previously coated with a water based line marking white coating should be high pressure water washed and allowed to dry prior to recoating with **Guardian White and Glow**. Test a small area prior to application to ensure compatibility and adhesion of the new coating over the existing.

APPLICATION

Guardian White and Glow is best applied using Graco Line Lazer airless line striping equipment. Either a Graco Line Lazer 3900 or 5900 will produce the best results. A Graco Line Lazer 3400 will also be suitable, with some modifications. The tip size depends on the application and size of line required. Tips such as 219-223 or 319 -323 are suitable. More information is available on request – job specific details will help to determine the best system for the particular application.

Apply a smooth, even first coat and allow to dry for a minimum of 30 minutes. The second coat should also be an even, uniform build.

Wash equipment with water immediately after use.

Small areas can be applied using airless spray, brush or roller and line templates

Do not apply if the substrate contains an excessive amount of moisture. To be sure, check the substrate with a moisture meter prior to application.

For exterior applications, do not apply if rain is imminent or if the temperature is above 35C.

Do not apply if the temperature is below 10C or the relative humidity is above 85%.

PRECAUTIONS

Refer to the SDS for this product prior to use. Detailed safety information and required personal safety equipment required is detailed on the SDS.

Guardian Protective Coatings

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