

GLOW SAFE SPECIFICATION GUIDE





White Knight Glow Safe is a low cost, environmentally sound solution for night or low light safety markings. It contains a Photo Luminescent pigment that absorbs energy from any light source and glows for extended periods in the dark.

As part of a paint system, Glow Safe gives you the flexibility to apply the product to virtually any surface in any location— glowing for hours after darkness falls.

Note: The paint systems below are suitable for bare substrates. White Knight Glow Safe can be applied over sound, previously painted surfaces. It is only recommended to repaint the surface if the base coat colour is dark. A light base coat will give you the optimum glow time.

SUBSTRATE	PRIMER	COLOURED BASE COAT (IF REQUIRED)	GLOW SAFE COATS	CLEAR TOP COAT
SAFETY LINES FOR FLOORS • PATHS • ROADS				
BITUMEN	Not applicable	> White Knight Ultra Pave* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Clear Sealer or Floor Coat Plus for high traffic areas
CONCRETE	> No primer required Etch smooth concrete with White Knight Concrete Etcher			
TIMBER	> Taubmans 3 in 1 Primer	> White Knight Line Marking* or Fluoro Colour*		
STEEL, ALUMINIUM	> White Knight Rust Guard Metal Primer/SLS Etch Primer <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time.</small>	> White Knight Rust Guard Epoxy Enamel* or Line Marking* or Fluoro Colour*		> White Knight Rust Guard Clear Guard
STAIRS				
CONCRETE	> No primer required Etch smooth concrete with White Knight Concrete Etcher	> White Knight Ultra Pave* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Clear Sealer or Floor Coat Plus for high traffic areas
TIMBER	> Taubmans 3 in 1 Primer	> White Knight Line Marking* or Fluoro Colour*		
STEEL	> White Knight Rust Guard Metal Primer <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time.</small>			> White Knight Rust Guard Clear Guard
PIPING • TUBES				
STEEL, ALUMINIUM, GALVANISED IRON	> White Knight Rust Guard Metal Primer/SLS Etch Primer/ True Bite <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time.</small>	> White Knight Rust Guard Epoxy Enamel* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Rust Guard Clear Guard
WINDOWS • DOORS				
GLASS (INTERIOR)	Not applicable	> White Knight Glass Marking*		Not applicable
ALUMINIUM, METAL, GALVANISED IRON	> White Knight Rust Guard Metal Primer/SLS Etch Primer/ True Bite <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time.</small>	> White Knight Rust Guard Epoxy Enamel* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Rust Guard Clear Guard

Apply up to 3 coats of White Knight Glow Safe to achieve required glow time

GLOW TIME REFERENCE

NUMBER OF COATS	FILM THICKNESS (MICRONS) BY BRUSH OR ROLLER	GLOW TIME (HOURS)
1 coat	75–100	5
2 coats	140–160	> 8
3 coats	175–200	>10

Based upon 3–4 hours of light absorption

HINTS

- > White Knight Glow Safe is best used to highlight safety signs, the edge of walk ways, paths and hazardous objects.
- > For optimum luminescence, White Knight Glow Safe should be applied to a white base coat surface or to a surface primed with a white primer.
- > For all exterior surfaces ensure an appropriate clear sealer is used over White Knight Glow Safe—consider using White Knight Clear Sealer or White Knight Floor Coat Plus for high traffic areas.
- > If you are using a high gloss oil-based paint for the base coat e.g., White Knight Rust Guard Epoxy Enamel or Taubmans Ultra Enamel, you should sand the base coat before applying White Knight Glow Safe to ensure maximum adhesion.

SUBSTRATE	PRIMER	COLOURED BASE COAT (IF REQUIRED)	GLOW SAFE COATS	CLEAR TOP COAT
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HAND RAILS • PLATFORMS

STEEL, ALUMINIUM, GALVANISED IRON	> White Knight Rust Guard Metal Primer/SLS Etch Primer/ True Bite <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time</small>	> White Knight Rust Guard Epoxy Enamel* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Rust Guard Clear Guard
TIMBER	> Taubmans 3 in 1 Primer	> Taubmans Ultra Enamel* or Living Proof Silk*		For exterior timber use White Knight Rust Guard Clear Guard
CONCRETE	> No primer required Etch smooth concrete with White Knight Concrete Etcher	> White Knight Ultra Pave* or Line Marking* or Fluoro Colour*		> White Knight Clear Sealer for additional durability and washability

HAZARDOUS ITEMS • MACHINERY • SIGNS • POWER POINTS • SWITCH SURROUNDS

STEEL, METAL, ALUMINIUM	> White Knight Rust Guard Metal Primer/SLS Etch Primer <small>See Rust Guard product range for appropriate primer. As most primers are dark in colour, a white colour base coat is recommended for a maximum glow time</small>	> White Knight Rust Guard Epoxy Enamel* or Line Marking* or Fluoro Colour*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Rust Guard Clear Guard
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EXTERIOR WALLS

CONCRETE	> No primer required Etch smooth concrete with White Knight Concrete Etcher	> White Knight Ultra Pave* or Taubmans Sun Proof Max*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Clear Sealer for additional durability and washability
RENDERED SURFACES	> Taubmans 3 in 1 Primer	> Taubmans Sun Proof Max*		

INTERIOR WALLS • CEILINGS

TIMBER	> Taubmans 3 in 1 Primer	> Taubmans Easy Coat* or Living Proof Silk*	Apply up to 3 coats of White Knight Glow Safe to achieve required glow time	> White Knight Clear Sealer for additional durability and washability
PLASTER BOARDS				
TILES <small>(Not suitable for wet areas)</small>	> White Knight Tile and Laminate Primer	> White Knight Tile Paint* or Taubmans Living Proof Silk*		Not applicable

*A white colour will produce the best glow performance.



Safety Paints White Knight Safety Paints are the first complete safety paint range in the market. It features a variety of paints that assist in keeping our working and living environments safe by highlighting and marking obstacles and hazardous objects and guiding us in the occurrence of emergencies.



Rust Guard The White Knight Rust Guard range is the most comprehensive range of topcoats, primers and preparatory products designed specifically for use on all metal surfaces. When you need protection and decoration on any metal surface you can rely on White Knight Rust Guard.



Floor and Pave Protect and add colour to floors with the White Knight Floor and Pave category. The extensive range has everything you need for preparing, painting and protecting concrete floors.



for more information on any specialty paint please contact White Knight on 131 686 or visit www.whiteknightpaints.com.au

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