



## 306 Hive Guard

### PRODUCT DESCRIPTION & USES

**306 Hive Guard** is a semigloss non-toxic water based coating especially designed for application to beehives. It can be applied direct to timber without the need of a primer, and is available in a range of appropriate colours.

### COLOUR CHOICE

To avoid bees drifting from one colony to another ensure that all hives in an apiary are painted different colours.

Bee primary colours are blue, green and ultraviolet and they can see colours from the yellow to ultraviolet areas of the electromagnetic spectrum.

Bee's favourite colours are purple, violet and blue.

In the blue area of the spectrum bees see a wider variety of colours than we do and can see shades in the ultraviolet that are invisible to us.

Red shades are invisible to bees, so any hive painted bright red will look black to a bee.

### PRODUCT FEATURES

- Semigloss finish.
- Exceptional durability.
- Easy application and wash-up with water.
- Low odour.
- Excellent coverage.
- Direct-to-timber application.
- Quick drying under normal atmospheric conditions.
- Cures down to 5°C.
- Made in New Zealand for New Zealand conditions.

### TECHNICAL DATA

Gloss Level	Semigloss
Primer	Not required for most substrates.
Wash Up	Water
Colours	Squash, Honey, Digger, Mason, Blueberry, Orchid, Carpenter, Bumble, Polyester, Mining.
Pack Size	10L
Storage Temperature	5°C - 50°C
Shelf Life	Minimum 2 years.
Toxicity	Non hazardous waterborne paint formulated without added lead or mercury.
VOC content	13g/L for White as per EC-07-09 and APAS definition of Volatile Organic Compound. Results may vary slightly for the other colours.
Volume Solids	34% for Squash
Wet Film Thickness	65-100µ per coat
Dry Film Thickness	23-34µ per coat
Coverage	10-15 m <sup>2</sup> /L depending on surface texture, porosity and method of application.

### SUBSTRATE PREPARATION INSTRUCTIONS

Surfaces must be clean and free from all loose material, dirt and heavy chalk. Scrape off peeling and flaking paint. Sand all surfaces to a dull finish and remove sanding dust. If mould or mildew is present, treat affected areas with **A924 Mould Kill X200**, following directions on the pack.

**New timber:** No primer required. Sand smooth-planed timber to break the "mill glaze" to allow proper penetration and adhesion. Apply 1 to 2 coats of **306 Hive Guard**. Light colours on tannin staining parts of the timber, such as knots, may show staining. Sand smooth and finish with 2 coats of **306 Hive Guard**.

**Previously painted surfaces:** If sound no primer is required. Remove chalk and apply 1-2 coats of **306 Hive Guard**. If severely weathered and stained, prepare as above and spot prime with **8312 Duratrade Alkyd Primer Undercoat**. For best results on heavy wear areas, apply an overall prime coat of **8312 Duratrade Alkyd Primer Undercoat**. Finish with 1-2 coats of **306 Hive Guard**.

### RECOMMENDED APPLICATION METHODS AND TECHNIQUES

Mix the contents in the can thoroughly before and during use.

Apply in full, even coats.

Thin, if required for ease of application in hot or windy conditions or on very porous substrates, with up to 5% water.

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**NOTE:** The information concerning the use and application of this product is intended for use by professional specifiers and applicators, is given in good faith and is believed to be correct at the date of issue. Protective Paints Ltd reserves the right to alter the product or specification without notice. The user should check the date of issue, and if more than 24 months have elapsed, should verify with our nearest sales office that the information is still current. Because we cannot control the way these products may be used, or the conditions they may be exposed to, we can give no express guarantees in respect of the performance of this product. However certain guarantees may be implied by law.



## 306 Hive Guard

Minimum Surface Temperature:	5°C
Maximum Relative Humidity:	75%
Temperature Range:	5°C - 35°C
Suitable Application Methods:	Brush, roller or spray
Thinners:	Water
Cleaning Solvent:	Water
Max. Volume Thinners:	5%

### DRYING CHARACTERISTICS

All figures quoted are at 20°C and 65% relative humidity.

Drying will take longer at lower temperatures and/or at higher relative humidity and “blooming” may occur.

Do not paint when temperature of surface is below 5°C, above 35°C or when humidity is very high.

Do not apply when rain or dew is expected within 4 hours.

Touch Dry;	1 hour
Recoat:	4 hours
Full Cure:	7 days

### HEALTH & SAFETY

Water based, non-flammable, non-hazardous. Wash off with clean water when in contact with skin as the product may cause dermatitis. Take normal precautions for handling paint i.e. do not ingest, avoid contact with skin and protect eyes from splashes. Refer MSDS, available on request, for detailed safety instructions.

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