



## BONA TRAFFIC HD Raw

**Bona Traffic HD Raw** gives a high level of protection for timber floors whilst maintaining the look and feel of raw finely sanded untreated wood. Unlike conventional finishes its unique surface structure creates a soft haptic feeling which is a pleasure to walk on; it feels like wood.

Bona Traffic HD Raw can be used in commercial areas, staircases, etc. where slip resistance standards require products rated as P3 according to AS/NZS 4586 or in other similar situations.

Bona Traffic HD Raw provides a clear, non-yellowing finish which enhances the natural beauty of a timber floor.

- A sealed surface with a natural feel
- High wear resistance
- Easy to apply and use
- Classified GREENGUARD Gold & EC1<sup>PLUS</sup> for very low emissions
- Classified P3 (low risk of slipping) according to AS/NZS 4586 2013

### Technical data

Type of product:	2-component waterborne polyurethane topcoat
Solids content:	~32%
VOC:	max 52 g / litre (incl. hardener)
Sheen (at 60°):	~4 % on glass
Mixing ratio:	1 part Traffic HD Hardener to 1Lt Traffic HD (8% vol)
Pot life:	3 hours at 20°C (shorter if warmer)
Dilution:	If required, dilute with Bona Retarder (4%) for a longer open time
Drying time, until:	- Ready for recoating: 2 - 4 hours* - Light use: 24 hours* - Full hardness: 7 days*
	*under normal climate conditions, 20°C / 60%RH with reasonable ventilation
Application tools:	Bona Roller
Application rate:	8 - 10 m <sup>2</sup> / Lt per coat
Safety	Finish: Unclassified Hardener: Classified (see Safety Data Sheet)
Cleaning:	Wipe tools free from residual material before cleaning with a minimum of water. Dried material can be removed with acetone.
Shelf life:	1 year from date of production in unopened original container
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage and transport.
Disposal:	Wastes and emptied containers should be handled in accordance with local regulations.
Pack size	5 litres (incl. Hardener)
Certifications:	GREENGUARD Gold EMICODE; class EC1RPLUS

**Bona**<sup>®</sup>

Phone 1300 882 806

## Preparation

Prior to application on bare timber it is recommended that the surface be coated with a Bona primer.

Ensure the floor is acclimatized to its end-use environment, well sanded, dry and free from sanding dust, oil, wax and other contamination. Allow the finish and hardener to reach room temperature, insert filter and shake the Finish container thoroughly before mixing with the Hardener.

Optimal conditions for use are 18 - 25°C and 40 - 60% relative air humidity. High temperatures & low humidity will shorten the drying time whilst low temperatures & high humidity will lengthen the drying time.

**Minimum temperature for use is 13°C.**

Bona Traffic HD Raw can be used for overcoating factory pre-finished and previously finished floors. Carry out an adhesion test before proceeding. Please read the **Overcoating Instructions** datasheet for additional information.

## Treatment schedule

### Untreated Wood

1 x Bona Primer

2 x Bona Traffic HD Raw

Alternatively:

3 x Bona Traffic HD Raw

### Previously finished surfaces

1 – 2 x Bona Traffic HD Raw

(see Overcoating Instruction TDS)

On stable well acclimatised floors the use of a primer may be omitted and 3 finish applications made, although the potential for edge bonding may be increased in comparison to a standard system. It is important to understand, however, that whilst using Bona Traffic HD Raw directly on to the sanded floor gives the most natural appearance there are other factors which must be considered prior to application. Please note, if Bona Traffic HD Raw is used for all applications the first coat **must** be applied at 8 m<sup>2</sup> / Lt.

On high tannin timbers, such as Blackbutt, or species with high levels of natural oils it is recommended to use Bona Intense to give the best appearance and avoid such issues as tannin bleed.

With red / dark brown timber species it is important to understand that, unlike most coating systems, using Traffic HD Raw will not change the surface colour significantly or bring any 'depth' to the surface. This means that the floor may look very light in colour and even have areas that may look white or grey. Alternatively the use of a primer application may be considered to bring a slightly different colour tone to the floor.

**Bona**<sup>®</sup>

Phone 1300 882 806

It is extremely important that sanding of the floor is completed to the same level across both the edges and body of the floor. It is recommended that the sanding process is completed using a 120 grit abrasive or finer. Variation in the volume of Bona Traffic HD Raw applied or the sanding of the floor between the edges and the body of the floor may result in visible differences in appearance on the floor.

Where Bona Traffic HD Raw is applied without a primer coat 3 applications of the finish should be made with care taken to ensure that the correct coverage rates are observed.

The sanding, properties of the timber and the application process control the appearance and final colour. These features can only be evaluated after the system has been completed. It is important to note that variations in colour or a different appearance to that expected are **not** product faults or product related. If unsure as to the the potential final appearance it is recommended that a trial area be prepared and evaluated prior to the floor being finished.

If a floor is to be coloured then to retain the most natural appearance it is recommended that Bona Craft Oil 2K be used. To reduce the possibility of oil bleed back the oil should be applied using a buffing machine with a Bona Oil Cloth used beneath a red pad. All excess oil must be removed from the floor after application. Once the oil is dry two (2) applications of Bona Traffic HD Raw can be applied.

**NB.** The standard specification for the application of finishes on to a floor sanded back to bare timber is a single application of a Bona primer followed by 2 applications of **the same** Bona top coat, unless specifically detailed within the product TDS. Where Bona products have been used outside of the specifications noted within the product literature Bona can take **no responsibility** for site related issues or the performance of supplied products.

## Application

1. Determine how much material is required. Shake the bottle thoroughly before decanting any finish.
2. Add Traffic HD Hardener to the finish at the addition rate as detailed in the scales on the bottles or using an 8% addition rate. Immediately shake the mixture thoroughly, for 1 minute. The mixture of finish/hardener should be used directly or at least within 3 hours.
3. Apply the finish using a Bona Roller. Roll with a smooth flowing motion alternately across and with the grain of the wood avoiding accumulations of product. Always maintain a “wet edge” to avoid overlaps. Allow to dry properly before applying further coats. Anticipate slightly longer drying time for each coat that is applied.
4. If necessary, make an intermediate sanding using a screen or the Bona Scrad System grit P150 (or finer) and remove dust before applying a final coat of finish. **Note:** If the previous coat of finish has been allowed more than 24 hours drying time then an intermediate sanding is always required.

The floor will take light foot traffic approximately 24 hours after the final application. The surface will remain susceptible to scratching and marring until fully cured; this may take up to 7 days.

Allow the surface to dry for at least 7 days before using carpets or other floor coverings. Avoid installing heavy objects and do not damp mop the floor during this time. These timescales assume that normal climatic conditions are maintained (see Drying time).

**Bona**<sup>®</sup>

Phone 1300 882 806

## Maintenance

Clean the floor with Bona Cleaner or Bona Wood Floor Cleaner and a microfibre pad. For public areas it may be necessary to introduce a machine based cleaning programme. Worn surfaces can be renewed by applying a new coat of Bona Traffic HD Raw.

Bona Freshen Up / Wood Floor Refresher **cannot be used** with Bona Traffic HD Raw as both the appearance and the slip resistance qualities will be affected. Similarly the floor should not be maintained with a polish or other similar floor maintenance products.

Please note that whilst Bona finishes are designed to provide a sealed surface that is resistant to wear, scuffing and spillage, etc. no surface applied finish system can prevent physical damage to the timber or 'harden' the floor. Indentations in the wood and scratches may be caused by furniture, dropped items, dog claws, etc. and steps should be taken to reduce the possibility of this occurring.

Bona finishes are non-yellowing and do not change colour due to the effects of UV light. However, Bona finishes cannot prevent the wood itself changing colour due to tannin bleed, the movement of natural oils or the effects of UV light.

Detailed floor care instructions are available at [www.bona.com.au](http://www.bona.com.au)

## Important notes

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. The User is responsible for establishing that the product and recommendations herein are fit for the designated purpose, wood type and present situation before use. Bona can only guarantee the delivered product. A professional and thereby successful application of the product is beyond our control. If in doubt make a preliminary test. The User is required to read and understand all information contained on package labels and safety data sheets before using this product.

**Bona**<sup>®</sup>

Phone 1300 882 806