



## 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 newly sanded 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*<br>- Light use: 24 hours*<br>- Full hardness: 7 days*<br>*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<br>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<br>EMICODE; class EC1RPLUS                                                                                                                              |

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## Preparation

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.**

## 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)

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

For most floors it is possible to use Bona Classic UX as the initial primer application. Classic UX maintains an appearance and colour very close to the newly sanded wood.

On high tannin timbers, such as Blackbutt and Tallowwood, 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. If it is determined that the colour change is too great compared to using Bona Classic UX or using Traffic HD Raw for all 3 applications then it should be understood that tannin bleed or other disturbances to the appearance of the wood may be evident.

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. 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 and care taken to ensure that the correct coverage rates are observed.

With red / dark brown timber species it is important to understand that, unlike most coating systems, using Traffic HD Raw or Classic UX as a primer 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. It is suggested that a trial application is carried out on such timber species and that the use of a primer application is considered to bring a slightly different, more usual, colour tone to the floor.

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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 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 or a stainless steel trowel with buffing using a Bona Oil cloth upon completion. 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.

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.

**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. Whilst drying Bona Traffic HD Raw can look very white in colour and evidence of the roller / brush application can be clearly seen; this is particularly true where Traffic HD Raw has been used as a primer and / or on red / dark brown wood species. If applied at the correct coverage rate and with the correct site conditions a clear even film will be seen when the finish application has dried.
5. If necessary, make an intermediate sanding using a screen or the Bona Scrad System grit P150 (or finer) and remove dust before applying the next finish coat. **Note:** If the previous coat of finish has been allowed more than 24 hours drying time then an intermediate sanding is always required.

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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).

#### Maintenance

Clean the floor with Bona Cleaner or Bona Wood Floor Cleaner and a microfibre pad. For public areas a machine based cleaning programme is likely to be required. Worn and / or scratched surfaces can be renewed by applying a new coat of Bona Traffic HD Raw as part of an ongoing maintenance regime.

Bona Traffic HD Raw **cannot** be maintained using Bona Freshen Up / Wood Floor Refresher as both the appearance and the slip resistance qualities will be affected. Similarly, the floor should **not** be maintained with a polish or other floor maintenance products containing materials designed to maintain a 'shine'.

Please note, 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.

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