

Bona Traffic HD

Technical data sheet

Bona Traffic HD is Bona's most hard wearing finish. A 2-component waterborne topcoat, it has been developed for surface treating wooden floors in public areas with high traffic intensity. Using new advanced polymer technology, Bona Traffic HD has uncompromising resistance to scratches, scuff marks and chemicals and a very fast development time which allows the floor to be put back into full use the following day! The product has a very low odour and has received DIBt approval for its low indoor emissions. Clear, non-yellowing formula.

- Extreme durability and scratch resistance
- Exceptionally fast hardness development.
- Very low odour
- Low solvent content (VOC), <5%.
- DIBt approved for low indoor emissions
- Suitable for overcoating compatible pre-finished floors
- **Complies to EN 14904:2006 (suitable friction for sports floors)**

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Type of varnish:	2-component waterborne polyurethane topcoat
Solids content:	≈32%
VOC:	max 52 g/litre (incl. hardener)
Resistance to wear:	1-2 mg/100 revolutions (SIS 923509)
Sheen (at 60°):	Silkmatt ≈40%, Matt ≈20%, Extra Matt ≈11%
Mixing ratio:	1 part Traffic HD Hardener to 1 litre Traffic HD (8 vol%)
Pot life:	4 hours at 20°C (shorter if warmer)
Dilution:	If required, dilute with 4% Bona Retarder for a longer open time
Drying time, until:	- Ready for sanding/recoating: 2-3 hours* - Full use: 24 hours* - Possible to cover: 3 days**
	<i>*under normal climate conditions, 20 °C/60% R.H.</i>
	<i>** in case the product has been combined with Bona Create or Bona Prime Deep, the floor must be allowed 7 days drying under good conditions, before being covered.</i>
Application tools:	Bona Roller
Application rate:	8-10 m ² /litre (120-100g/m ²) per coat
Safety	Varnish: 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	3 x 4.95 litres incl. hardener (36 boxes per pallet)

Preparation

Prior to application the surface must be pre-treated with a waterborne primer from Bona. Ensure floor is acclimatized to its end-use environment, well sanded, dry and free from sanding dust, oil, wax and other contamination. Allow varnish and hardener to reach room temperature.

Optimal application conditions are between 18-25°C and 40-60% relative air humidity. High temperatures and low humidity shorten, low temperatures and high humidity lengthen drying time. **Minimum temperature for use is 13°C.**

Finishing



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Bona Traffic HD

Technical data sheet

Finishing



Treatment schedule

Untreated wood:

- 1x Bona Waterborne Primer
- Light sanding grit 150
- 2x Bona Traffic HD

Previously varnished surfaces:

- 1x Bona Prep System
- 1-2x Bona Traffic HD

Note: It is not recommended to apply more than two full coats per day due to risk of excessive wood swelling. Ensure good ventilation during drying. Poor drying conditions may result in a weakened film with poor adhesion.

Note: For environments which will receive heavier trafficking, additional coat/s may be required. Please speak to Bona's technical team for further advice.

Application

1. Shake the Traffic HD can and add one bottle of Traffic HD Hardener; immediately shake the mixture thoroughly for 1 minute and then insert the enclosed filter. If mixing smaller quantities of varnish then pour the required amount of varnish into a separate can. 1 litre of varnish corresponds to one part of hardener. 2 litres to two parts a.s.o. The mixture of varnish/hardener should be used directly or at least within 4 hours.
2. Apply the varnish 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 layers. Anticipate slightly longer drying time for each layer that is applied.
3. 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 layer of varnish.

Note: If the previous layer of varnish has been allowed more than 24 hours drying time then an intermediate sanding is always required.

The floor will take light foot traffic approximately 8 hours after the final application and may be put into full use after 24 hours. Allow the surface to dry for at least 3 days before covering with carpets or other floor coverings. Also avoid placing heavy objects and avoid damp mopping the floor during this time.

Note: If Traffic HD has been combined with Bona Prime Deep and Bona Create then the surface must be allowed to cure for 1 week before covering the surface.

Maintenance

Clean the floor with Bona Cleaner or Bona Wood Floor Cleaner and a microfibre pad. For maintenance and long term protection of the surface, floors can be overcoated at intervals with additional coats of varnish. The frequency of this operation can be greatly reduced if Bona Freshen Up or Bona Wood Floor Refresher is applied periodically. This will restore the appearance of a dull floor whilst still allowing further coats of varnish to be applied without the need for sanding the floor back to bare wood.

Detailed maintenance instructions are available at www.bona.com

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Finishing



Important notes

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. 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. User is required to read and understand all information contained on package labels and safety data sheets before using this product.