

Bona Traffic HD

Technical data sheet

The world's toughest and fastest drying lacquer for wooden floors exposed to extreme wear allowing full traffic to be resumed in just 12 hours. Used in hotels, restaurants and airports worldwide, where short downtime is essential. Waterborne and very low VOC and odor. Clear, non-yellowing lacquer perfected for wooden floors.

- Ultimate speed and durability
- Allows full traffic after 12 hours
- Easy and safe to apply
- Very low odour
- GreenGuard Gold certified for very low indoor emissions. Recommended for schools and nurseries.
- EC1R^{PLUS} classified for very low emissions (the industry's most stringent standard on indoor emissions).
- Very low solvent content (VOC), <5%.

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Type of lacquer:	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: 12 hours* - Possible to cover: 3 days* <i>*under normal climate conditions, 20 °C/60% R.H.</i>
Application tools:	Bona Roller
Application rate:	8-10 m ² /litre (120-100g/m ²) per coat
Safety	Lacquer: 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)
Certifications:	GreenGuard Gold EMICODE; class EC1R ^{PLUS} DIBt; safe building product EN 14904:2006; approved friction for sports floors DIN 18032:2; approved friction for sports floors EN 13501-1; Reaction to fire



Finishing



NB: Samples of products are supplied without their hardeners. This has no impact on the final appearance, but products will not reflect their intended durability when used without hardener.

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Preparations

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 lacquer and hardener to reach room temperature.

Optimal application conditions are between 18-25°C and 30-60% relative air humidity. High temperatures and low humidity shorten, low temperatures and high humidity lengthen drying time. **Minimum temperature for use is 13°C.**

Preparation of previously lacquered floors

Bona Traffic HD Anti-slip has in general very good adhesion to factory pre-finished and previously lacquered floors but the surface must be carefully cleaned and abraded prior to overcoating. See separate guideline for overcoating recommendations.

Treatment schedule

Untreated wood:

- 1x Bona Primer or Bona Craft Oil 2K
- 2x Bona Traffic HD

Previously lacquered surfaces:

- Cleaning and superficial abrasion
- 1-2x Bona Traffic HD

NB: Further coats of Bona Traffic HD may be applied in areas where very high levels of traffic are anticipated.

NB: 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 worsened adhesion.

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 lacquer then pour the required amount of lacquer into a separate can. 1 litre of lacquer corresponds to one part of hardener. 2 litres to two parts a.s.o. The mixture of lacquer/hardener should be used directly or at least within 4 hours.
2. Apply the lacquer 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 lacquer.
Note: If the previous layer of lacquer has been allowed more than 24 hours drying time then an intermediate sanding is always required.

Floor will take light foot traffic approximately 8 hours after the final application and may be put into full use after 12 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.

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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 lacquer. 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 lacquer to be applied without the need for sanding the floor back to bare timber.

Note: The use of adhesive tape can damage the dry lacquer.

Detailed maintenance instructions are available at www.bona.com/floorcare

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.

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