WOOD FINISHES DIRECT

The following Technical Datasheet is provided by **Bona**

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For purchasing information visit:
Bona Traffic HD

Bona Traffic HD

TWO COMPONENT, WATERBORNE COATING

Powerful performance at top speed.



Superior 2K waterborne lacquer for wood floors exposed to high traffic and extreme wear.

Bona Traffic HD is the world’s toughest and fastest drying lacquer. It allows for full traffic to be resumed just 12 hours after application, and was developed for application on large surfaces. Used in hotels, restaurants and airports worldwide, where short downtime is essential, it is a wood floor lacquer perfected.

- Unmatched speed and durability
- Allows full traffic after 12 hours
- Excellent flow and levelling
- Low in odour and VOC (<5%)

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TECHNICAL DATA

Product type / base:	2-component waterborne polyurethane topcoat.
Solids content:	approx. 32%
Sheen at 60º:	Silkmatt 40%, Matt 20%, Extra Matt 10% (on glass)
Mixing ratio:	1 part hardener to 1 litre Bona Traffic HD or 0.41 L hardener to 4,54 L Bona Traffic HD (≈8 vol%).
Pot life:	max. 4 hours at 20°C (shorter if warmer).
Dilution:	If required, dilute with 4% Bona Retarder for a longer open time.
Drying time:	Until next coat: 2-3 hours* Full use: 12 hours*, Light use: 6 hours* Possible to cover: 3 days* *under normal climate conditions, 20°C/60% R.H.
Application tools:	Bona Microfleece Roller or Swivel Head Applicator.
Application rate:	8-10 m²/litre (100-120g/m²) per coat.
Safety:	Coating: 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:	Coating: 1 year from date of production in unopened original container. Hardener: 18 months from the date of production in unopened original container.
Storage/Transport:	The temperature must not fall below +5°C or exceed +30°C during storage and transport. Store in a cool place.
Disposal:	Waste and emptied containers should be handled in accordance with local regulations.
Pack size:	3 x 4,95 litres incl. hardener (0,41 lit).
Certificates & standards:	EMICODE EC 1 Very low emission GREENGUARD Gold EN 14904:2006; approved friction for sports floors EN 13501-1; Reaction to fire Qualifies for LEED and BREEAM points.

Additional detailed information is noted in the appropriate Safety Data Sheet.

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PREPARATION

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

TREATMENT SCHEDULE

Standard protocol:
1 x Bona Primer [1]
2 x Bona Traffic HD [1]

Previously lacquered surfaces:
Cleaning and superficial abrasion
1-2 x Bona Traffic HD

For colouration:
1 x Bona Craft Oil 2K [2]
2 x Bona Traffic HD

[1] the surface should receive 3 coats in total.

[2] to minimise the potential for oil bleed back, it is advised to be restrictive with the application rate. Using a cloth wrapped around a pad under a buffing machine for application helps maintain the oil at the surface.

Note: It is not recommended to apply more than 2 full coats of primer and/or lacquer per day due to risk of excessive wood swelling. Ensure good ventilation during drying. Poor drying conditions may reduce product performance and adhesion.

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APPLICATION

1) Shake the lacquer can and add the hardener component. Immediately proceed to shake the mixture vigorously for 1 minute. Use the mixture directly or at least within 4 hours. If mixing smaller quantities of lacquer, then one section on the hardener bottle corresponds to 1 litre of lacquer.

2) Apply using a Bona Roller at 8-10m²/litre (100-120g/m²). Roll alternately across and with the grain of the wood avoiding accumulations of product. Always maintain a “wet edge” to avoid overlaps.

3) Allow to dry properly before applying further layers. Ensure proper ventilation.

4) If necessary, make an intermediate sanding using the Bona Scrad System P150 grit (or finer) and remove dust before applying a final layer of lacquer. Note: If the previous layer of lacquer/primer has been allowed more than 24 hours drying time then an intermediate sanding is always required.

Floor will take light foot traffic approximately 6 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 or damp mopping the floor during this time. **Note:** If Bona Traffic HD has been combined with Bona Craft Oil 2K then the surface must be allowed to cure for 1 week before the surface is covered.

RECOATING

Detailed recoating instructions are available to download on the Bona Traffic HD product page at www.bona.com.

MAINTENANCE

Cleaning with the correct products is easy; When you choose Bona cleaning and maintenance products you can relax knowing that you have chosen the best possible product to help you care for your floor.
End user maintenance instructions are available to download from the Bona Traffic HD product page on bona.com. Detailed maintenance instructions are available for both homeowners and professional end users. Please give the end user a digital or print copy.

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IMPORTANT!

Plasticisers found in materials such as carpet underlays, furniture legs, castors and adhesives used for fixing can lead to softening and discolouration. Exposure to hair dyes or rubber tyres on cars, cycles and baby strollers can lead to permanent discolouration of the surface. Use protection or completely avoid contact.
Spills should be removed promptly. Unattended spills may cause cosmetic stains or damage the surface.

Please note that whilst Bona lacquers 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. steps should be taken to reduce the possibility of this occurring.

The information in this document and all other advice and recommendations that we provide to help and assist the applicator are based on previous experience and extensive testing but makes no claim to be complete.
Because of the wide range of possible uses and conditions of application of our products, we do not relieve users from the need to carry out their own trials or to seek technical advice from Bona before use. Bona can only guarantee its products and not the construction as a whole. Observe recommendations from flooring manufacturer and the provisions of relevant standards.