

Bona Traffic

Technical data sheet

Bona Traffic is a 100% polyurethane 2-component waterborne finish offering exceptional durability and protection for wooden floors located in commercial situations or wherever a high resistance to wear is required. Bona Traffic provides a clear, easy to maintain finish and represents Bona's most hardwearing lacquer. Available in matt (I.P) and silk-matt versions.

- Superb wear and chemical resistance
- High scuff mark resistance
- Excellent adhesion properties
- Non-yellowing
- Meets BS 7044:1990 for slip resistance
- Meets Ö Norm 2354 Category C (very heavy wear)
- VOC 2010 compliant
- EC1R certification (very low emission)

Technical data

Type of finish:	2-comp. waterborne 100% polyurethane finish
Solids content:	Approx. 33%
VOC:	90 g/litre (incl. hardener)
Resistance to wear:	Approx. 2.5 mg/100 revolutions (SIS 923509)
Sheen (at 60°):	approx 15% (I.P), approx 50% (silk matt)
Mixing ratio:	1 part Traffic Hardener to 10 parts Traffic
Pot life:	5 hours at 20°C (shorter if warmer)
Drying time, until:	- Ready for sanding: 3-4 hours* - Light use: 8 hours* - Full hardness: 7 days*
Application tools:	Bona Roller
Application rate:	8-10 m ² /litre (120-100g/m ²) per coat
Safety	Finish: Unclassified Hardener: Classified (see Safety Data Sheet)
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. Do not allow into drains, watercourses or landfills. Empty, drip-free plastic containers are recyclable. Liquid residues are Special Waste. Hardened residues are Construction Waste.
Pack size (incl. Hardener):	3 x 4.95 litres (36 boxes per pallet)

*under normal climatic conditions, 20°C/60% R.H.

Preparation

Ensure floor is acclimatized to its end-use environment, well sanded, dry and free from sanding dust, oil, wax and other contamination. Coat the surface with a waterborne primer from Bona according to substrate type and personal preference.

Preparation of previously finished floors

Bona Traffic can be used for overcoating factory pre-finished and previously finished floors **but the intercoat adhesion must always be checked prior to use!** Floors treated with wax, polish or similar can not be overcoated. Before overcoating the floor should be cleaned using Bona Prep and lightly abraded to 'key' the surface. A detailed overcoating instruction is available for download at www.bona.com.

Finishing



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Finishing



Treatment schedule

From bare wood:
1x waterborne Primer + 2-3x
Traffic*

Previously finished surfaces:
1-2x Traffic

For floors where there is a risk of sidebonding, e.g. endgrain floors, softwood plank floors and hardwood floors with underfloor heating, it is recommended to use Prime Classic or Prime Intense for the initial treatment, as well as taking measures to stabilize the climate.

***Note:** In very demanding environments further applications of Bona Traffic would be recommended.

Application

1. Allow finish and hardener to come to room temperature and shake well. Optimal conditions are achieved between 18-22°C and 40-60% relative air humidity. High temperatures and low humidity shorten drying time, low temperatures and high humidity lengthen the drying time. **Absolute minimum temperature for use is 13°C.**
2. Add 10% Traffic/Flow Hardener to the finish and shake vigorously straight after, for 1 minute. The mixture of finish/hardener should be used directly or at least within 5 hours.
3. Apply the finish using a Bona Roller. Start at the edges and then roll with a smooth flowing action alternately across and with the grain of the wood. Avoid accumulations of finish and overlap wet-in-wet without interruption.
4. Allow to dry before applying another layer of finish. Anticipate slightly longer drying time for each layer that is applied. If necessary make an intermediate sanding using a screen grit P150 or finer or the Bona Scrad System, before applying the final layer of finish. **Note:** If the previous layer of finish has been allowed more than 24 hours drying time then an intermediate sanding is always required.
5. The floor will take light foot traffic approximately 8 hours after the final application. Allow the surface to dry for at least 1 week before covering with carpets or other floor coverings, or loading with heavy objects. Also avoid damp mopping the floor until after this time.

Note: If smaller quantities of Traffic are to be mixed the bottle **must be shaken vigorously** before the required quantity is decanted into a separate clean and dry container (not supplied). The requisite quantity of hardener should then be added (10%) and the container shaken to mix the two components.

Maintenance

Clean the floor with Bona Cleaner or Bona Wood Floor Cleaner and a microfibre pad. For maintenance and upkeep of the surface, floors should be overcoated at intervals with additional coats of Bona Traffic. The frequency of this operation can be greatly reduced if Bona Freshen Up or Wood Floor Care 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.

Detailed information on the Bona range of maintenance products, including Cleaners and cleaning equipment, is available at www.bona.com and from local Bona distributors.

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