

Installation Information: Glue Down

- 1a.b. + 8. DINGO 2-Layer Bamboo Flooring
- 2a.+ 2b. DINGO Horizontal and Vertical Grain Plank
- 3a.b. + 9. DINGO Wide Plank
- 4. DINGO `Bamboo Grove`
- 6.+7. DINGO Industrial Flooring

Requirements before Installation

To allow acclimatisation DINGO Bamboo Flooring should be layed flat in its sealed foil packaging or box in the room in which to be installed for at least 48 hours, and at a room temperature of 18 - 20°C. The subfloor to which the flooring is to be glued upon must have a minimum temperature of 18°C. The subfloor must be stable, level, without cracks, dry, porous, free of dust, wax, grease, and solvent residues (DIN18365).

Concrete Subfloors: Residual moisture content must not exceed 1.8 % MC. Concrete subfloors must usually be sanded and primed. Uneven floors must be levelled.

Anhydrite Subfloors: Residual moisture content must not exceed 0.3 % MC. Anhydrite subfloors must usually be sanded and primed. Any holes must be filled. Uneven anhydrite floors must be levelled.

Chipboard Subfloors: Residual moisture content must not exceed 9 % MC. The chipboard subfloor must be suitable for use as a subfloor material (V100/N+F), if floated, it should be at least 19 mm thick and consist of 2 bonded layers. Any protrusions must be sanded level or be removed.

General Informations

Same as other woods Bamboo is a natural product, and slight variations in colour structure within a lot are possible. You should always mix the components of different boxes. Please inspect the flooring before installation in respect of moisture content, size, colour variations, or damage. We do not accept any claims in this regard after the material has been installed or further processed. In order to avoid any damages of the flooring surface flooring installation should always be the final job in any building project.

All DINGO Bamboo Flooring listed above should be fully glued down directly on the subfloor.

This way of installation requires specialist materials and skills.

Only a qualified contractor should carry out the installation.

Be careful when using adhesives as they might damage the (oil/lacquer) finish.

Suitable adhesives for porous surfaces are dispersion glues (with a low water content) or synthetic resin adhesive with low solvent content. For floors with heavy traffic, 2-component polyurethane adhesive systems are suitable. Hardened adhesives can only be removed from the varnished surface using mechanical means, which may lead to damage of the the protective finish. More elastic adhesive systems like 1-component Polyurethan or Silan based adhesives only can be used, when:

- Shear Strength $T_s > 1.4 \text{ N} / \text{mm}^2$ (3 days balanced at 23 degrees Celcius / 50 % Air Humidity)

- Shear Elongation $\gamma \geq 0.5$ (3 days balanced at 23 degrees Celcius / 50 % Air Humidity)

Please ask your glue supplier for further details.

Floating installation is possible for the Horizontal and Vertical Grain Plank, and the Wide Plank provided the total width of the flooring does not exceed 5 m.

Felt pads must be attached to furniture and chairs to avoid damages on the floorings surface.



Ideal Room Conditions

Room Temperature: abt. 18 - 20°C; **Air Humidity:** 50 – 65 %.

To maintain constant air humidity during the heating period in wintertime when the room air humidity content might become extremely low the use of ceramic humidifiers installed at radiators (or stoves) is recommended. For larger rooms, electric air humidifiers should be applied. When during summer and autumn the air humidity is rather high sufficient ventilation of the rooms is necessary.

As with any natural product, direct sunlight might cause bleaching and changes in colour. When the change in temperature and humidity are extreme, warping, shrinkage and movement of the floor can occur.

Finish your untreated Flooring

All DINGO Bamboo Flooring which is delivered untreated can be finished with lacquer (sealed), oil or wax. If oiled, please take the high degree of density of bamboo into account. Thus, the oil should be used in most economic way, and only a thin layer should be applied before the application of a second layer.

Please ask the supplier for his detailed product instructions.

Additional Sanding: The untreated flooring is delivered with a smoothly sanded surface.

Yet, after installation the surface must be sanded again to open the high density grain for any kind of finish.

Recommended grid: 80 / 100/ 120

Cleaning and Maintenance

Initial Maintenance

All bamboo flooring, whether oiled or lacquered, must receive an initial maintenance before use. For the initial maintenance of factory laquered bamboo flooring we recommend **BONA Polish**. For the initial maintenance of factory air cured oiled bamboo flooring we recommend **Woca Maintenance Oil**.

The useful life of your DINGO Bamboo Flooring will be considerably increased with suitable cleaning and maintenance. Do not use harsh detergents or products containing solvents and/or glycerine.

We recommend that you clean the floor at regular intervals with a suitable cleaning product, before applying a polish. Your distributor will suggest an appropriate polish. Be sure to follow the instructions of the supplier.

Only use a damp cloth to mop the floor. Do not over wet.

Cleaning and Maintenance for factory-sealed or factory-oiled Flooring

For DINGO Bamboo Flooring delivered sealed we recommend to clean regularly with **BONA Cleaner** and use afterwards **BONA Polish**.

For DINGO Bamboo Flooring delivered oiled we recommend to clean regularly with **Woca Natural Soap** to be changed for like every 10th cleaning by

Woca Oil Refresher. Depending on the degree of usage and traffic clean the flooring intense and completely with **Woca Wood Cleaner** and then apply **Woca Maintenance Oil**. Please read the corresponding information on the packages.

BONA: www.bona.com
Woca: www.ttwoodcare.dk

How often to clean and to maintain

Usage	Normal Maintenance	Full Maintenance
Low Traffic Areas: Living rooms, bed rooms etc.	depending on degree of use: once or twice per month	depending on use
Medium Traffic Areas: Halls, Staircases, Offices etc.	depending on degree of use: weekly	depending on use: every 6 to 12 months
High Traffic Areas: Shops, Hospitality, Schools etc.	daily	every 3 to 6 months
Sport Centers, Leisure Centers	depending on use	depending on use



Important Advice!

Whenever oxigen-drying systems are used a danger of self inflammation exists. Used tools should be dampened with water and placed into closed containers prior to disposal or should be washed in water as soon as possible after use.

Important Tips

- In the first 8-14 days after Initial Maintenance the floor should only be dry cleaned.
- During cleaning never use abrasive materials. Avoid using aggressive household cleaners.
- Even the finest dust and sand is abrasive. Therefore the floor should always be swept or vacuum cleaned before wet cleaning. Due to the amount of abrasive material brought onto your floor from the outside, we strongly recommend that provision is made for adequate dirt control matting at the entrances.
- If chairs with castors are used, these must correspond to the DIN68131 (these castors have a two-colored marking). In addition wheelchair wheels made of plastic must be used.
- The durability of the floor is affected by room climate. Ideally the room temperature should be 20 °C with a 55-65 % relative air humidity. Extreme variations on this could result in floor damage due to expansion or contraction. Please also read the corresponding Fact sheets!

Under Floor Heating Systems

DINGO 2-Layer Flooring and Industrial Flooring (10 mm) are qualified for underfloor heating systems.

The warmwater underfloor heating system must be installed according to the instructions of the manufacturer.

Above listed DINGO Bamboo Flooring must be glued down to the concrete subfloor.

The glue applied must be - according to the manufacturer of the glue - suitable for warmwater underfloor heating systems.

Before the installation of the flooring on a new warmwater underfloor heating system it must have been in function for at least two weeks and it must have been turned on to its maximum power for at least two times.

About two days before the installation of the flooring the warmwater underfloor heating system has to be turned off and the concrete subfloor must have cooled down to 18-20°C.

After the installation of the flooring the warmwater underfloor heating system can be turned on again and be warmed up carefully within a period of time of about one week.

- The temperature on the surface of the concrete subfloor should not exceed 25°C.
- The air humidity of the room should be kept between 50 % and 65 %.

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