



Bona Diamond Sanding Plate

Bona Power Drive Accessory

Maximum aggressiveness on challenging floors



For effective removal of tough lacquers, adhesive residues and levelling uneven hardwood floors, this is the ideal first step before the standard sanding process when coarse sanding is required. The diamond segment design helps prevent clogging while maintaining a consistently high removal rate. Built for long life and sustained performance, the discs are ideal for demanding renovation work. The 150 mm discs are specially designed for use with the Bona FlexiSand 1.9 together with Power Drive Connect or Power Drive, and can also be used with handheld rotary sanders.

- Long-life design for extended durability and high performance over time
- Designed to minimise clogging, ensuring consistent performance.
- Effectively removes hard UV-lacquers
- Ideal for eliminating stubborn materials like adhesive residues or old carpet foam backing (from wood surfaces)

TECHNICAL DATA

Grit type:	Diamond
Grit sizes:	30, 50 & 70
Disc diameter:	150 mm
Backing:	Hook and loop (Velcro)
Compatibility:	Bona FlexiSand 1.9, Bona Power Drive Connect Plate and Bona Power Drive. Handheld rotary sanders. NOTE: Maximum speed = 1 000 rpm. WARNING: Never use on conventional edge sanding machines due to their high operating speed. Risk of personal injury.
Cleaning:	Clean using methylated spirits and a cloth.
Packaging:	1 disc per box



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AREA OF USE

- Grit 30 – For hard wood, end-grain flooring or old adhesive residues.
- Grit 50 – A balanced option with high aggression, causing less scratches than grit 30. Suitable for most substrates.
- Grit 70 – For hard finishes such as ceramic and aluminium oxide reinforced UV-finishes.

USER INSTRUCTIONS

Diamond Sanding Plates are designed to improve the efficiency of sanding challenging wood floors. They are intended primarily for breaking through the surface coating and/or levelling the most uneven areas of the wood floor. The sanding plates generate significant heat during use and are therefore not suitable for prolonged sanding operations. By using the plates only to break through the surface coating, operating temperatures are kept lower and deep scratches are minimised, facilitating the subsequent sanding process with conventional abrasives. Excessive temperatures may damage the plates and/or the floor surface. Under no circumstances must the temperature of the sanding plates exceed 150°C.

NOTE: Not suitable for use on nailed floors. Prior to use, inspect the floor and ensure that all protruding nails are sufficiently recessed below the surface. Also repair or avoid any large gaps and/or cavities where the sanding segments may become trapped. Failure to comply may result in damage to the plates and a risk of sparking.

General guidelines for use:

Aim to break through the surface coating using the Diamond Sanding Plates rather than completely removing all existing lacquer or paint. Allow the sanding plates to cool at regular intervals every 10 minutes. Raise the handle of the Bona FlexiSand machine and tilt the machine backwards to allow the plates to cool freely.

WARNING! DO NOT USE ON CONCRETE, STONE OR SIMILAR CERAMIC SURFACES – Risk of damage to the machine, the plates and overheating.

Installation and Use

1. Fit four Diamond Sanding Plates to a Bona Power Drive or Bona Power Drive Connect drive plate. Do not use additional weights on the Bona FlexiSand machine.
2. Begin sanding the floor and check the temperature of the plates every 10 minutes. Allow short cooling intervals to prevent the segments from overheating.
3. Continue sanding until the existing surface coating has been penetrated and/or the floor has been sufficiently levelled. It is not necessary to remove all existing coating at this stage, as this will be addressed during subsequent sanding steps.
4. For edge sanding, fit one Diamond Sanding Plate to a handheld rotary sanding machine, such as the Bona SupraFlex. Set the machine to a low speed not exceeding 1000 rpm (Bona SupraFlex setting ≤ 2).
5. Once sanding is complete, continue using one of Bona's predefined sanding sequences. For surfaces sanded with grit 30 Diamond Sanding Plates, follow with grit 36 abrasive paper. After using grit 50 or 70 plates, it is recommended to continue with grit 50 abrasive paper and then proceed gradually through finer grit sizes until a smooth surface is achieved.



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Removal of Sanding Plates

Allow the plates to cool for several minutes before removal. Wear protective gloves as the temperature may be very high. Removal is made significantly easier by inserting a rigid spatula from the side and behind the sanding plate.

Tip!

Attach Bona Intermediate Pads before attaching Bona Diamond Sanding Plates. This reduces the transfer of vibrations to the sanding machine. Do note that the Sanding Plates operate at approximately 10% higher temperature with Intermediate Pads mounted, increasing the need for cooling breaks.