

Bona Wire Brush System



The Bona Wire Brush system is designed to be used together with the Bona PowerDrive Connect and Bona FlexiSand 1.9 to allow you to easily wire-brush a wood floor. It opens the wood grain enhancing the beauty of the floor and creating a unique brushed look and feel.

- Durable, easy-to-use wire brushes for use on-site with both newly installed and existing floors
- Allows for close proximity to walls for minimized edge work and blending issues
- Removes soft grain leaving the more durable hard grain, providing a natural texture and look to the floor
- Can be used with Bona Craft Oil 2K, Bona DriFast Stain or Bona water-based finishes to give a sophisticated beautiful finish

Technical data

Compatible with the Bona Power Drive Connect & FlexiSand system the Bona Wire Brush kit is comprised of the following items:

- 4 stainless steel wire brushes – for the Bona PowerDrive Connect
- 1 stainless steel wire brush (Velcro backed) for the edging tool
- Dust shroud & Drive plate for the edging tool (DeWalt DWP849X)
- Wire brush hand tool – for corners and other hard to reach areas



The Bona Wire Brush kit is compatible with a DeWalt DWP849X 180 mm Variable Speed Polisher; this item needs to be purchased separately.

A high quality wirebrush with stainless steel bristles is required to brush the corners and other areas inaccessible with the FlexiSand or edging tool.

Directions for use

Ensure the floor is acclimatised to its end-use environment. The surface which is to be wire brushed must be sanded back to bare wood, dry and free from sanding dust, oil, wax and other contamination.

The Bona Wire Brush system works well with timber species with a relatively soft open grain structure, such as Oak, Ash, Pine, etc. Successful and even brushing of more dense timbers may be possible but the effect achieved will be less and when used on such timbers the life of the brushes will be reduced.

With engineered floors ensure sufficient veneer depth is present to allow the floor to be sanded and brushed. Please note that it may be more difficult to produce an even brushing on floated engineered floors if there is movement in the floor.

Sanding: Sand the floor using Bona sanding machines and / or the Bona Power Drive system. Finish sanding with an 80 grit abrasive. It is important that the sanding is consistent across the whole floor with the edges and centre of the floor sanded with the same abrasive sanding sequence.



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During the brushing process the floor should be dampened with water; use a fine spray or damp mop. The moisture softens the wood surface, lifts the grain and cools the wire brushes. The brushes are stainless steel meaning potential issues with metal staining due to reaction with tannins are low but they can get hot during use and thus mark the timber on rare occasions.

It is important that the floor is not allowed to 'dry out' and so water should be applied 'in front' of the brushing process rather than the whole floor being wetted once immediately prior to the brushing process. If the surface dries wet it once more.

Brush the edges of the floor first; using the edging tool and handheld wirebrush, and then complete the remaining areas using the PowerDrive Connect Wire Brush system.

Edges: Run the DeWalt edging tool at a slow speed against the grain direction to reduce the possibility for deep scratches. Move carefully backwards and forwards until you achieve the degree of texture required. Hard to reach areas such as corners, etc. should be textured using the handheld brush. The use of the wire brushing system on the Bona PowerDrive will reach to approximately 30 mm from the floor edge so work on the edges need not exceed this distance greatly.

The floor: Using the Bona PowerDrive with wire brushes is similar to the process used when sanding. Keep the handle high and walk steadily across the floor. Start at the wall and walk with the boards along the length of the room keeping the machine at a broadly 45° angle to the wall. Overlap each run slightly as would be done when sanding. N.B. Brushing at a slight angle against the grain is important as this reduces the possibility of seeing deep scratches. If a greater level of brushing is needed or the process looks uneven / incomplete dampen the floor once more and repeat the process.

The metal brushes create a 'sharp edged' wire brushed look but if a 'softer' brushing effect with more rounded edges is desired the brushing process can be completed by brushing the floor using Tynex brushes. These are available for the PowerDrive Connect and edging tool.

It is important that the level of brushing is even across the floor. Large variances in the level of brushing will be highlighted if the floor is finished with a coloured coating system such as Bona Craft Oil 2K, Bona DriFast Stain or Bona White. It is important therefore to take a measured steady approach and not to be tempted to rush the preparation of the floor.

Finishing: Once the brushing process has been completed the floor should be thoroughly cleaned to remove any timber particles from the surface. Lightly sand the floor using Bona abrasives 120 – 150 grit. Move quickly across the surface so as to give an even smooth final sanding to the floor. This will 'fold' down fibres within the surface and sand any rough spots to a more even finish. Clean thoroughly after the sanding process has been completed.

Once prepared the floor can then be finished as required using Bona finish and / or oil or stain systems. NB. It is important to sand the floor to meet the requirements of the coating system. Sanding too finely will prevent the use of Bona 2K Oil or DriFast Stain.

The sanding, properties of the timber, wire brushing and the application process control the appearance and final appearance / colour of the floor. These features can only be evaluated after the system has been completed.

It is important to note that marks, colour differences, uneven colouring, etc. are not product faults or product related but are the responsibility of the contractor / specifier. If unsure as to the condition of the floor or the potential final appearance it is recommended that a trial area be prepared and evaluated prior to the floor being finished.

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The Bona Wire Brush system is a unique preparation system. It is recommended that new users carry out trials and prepare flooring samples prior to taking on a contract so as to familiarise themselves with the system and the results that can be obtained.

Notes

As with abrasives the use of the Bona Wire Brush system will 'wear' and 'blunt' the wire brushes. This means that the effectiveness of brushing will reduce over time. It is impossible to determine how long a set of brushes will last as this is dependent upon the timber species being brushed, the level of brushing considered to be acceptable and the judgement of the contractor.

Experience has shown it may be expected that a set of brushes will be effective for approximately 750 – 1000 m². Pricing for any wire brushing contract must therefore include a cost per m² for the brushes in the same way as for the cost of other consumables such as the abrasives and finishes. This may vary upon the timber being prepared, to account for more dense timber species reducing the effective life of the brushes.

Important notes

The information provided is prepared to the best of our current knowledge and makes no claim to be complete. The 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. The 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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