



BONA DRIFAST STAIN

Bona DriFast Stain is a quick drying, easy-to-use oil modified stain system designed to give an even colour and natural appearance. All of the colours may be mixed with each other to provide an endless palette. DriFast Natural, the untinted stain base, can be used to reduce the strength of individual colours or mixes without changing the usage characteristics of the product.

Bona DriFast Stain is available in the following colours:

Natural / Puritan Pine / Nutmeg / Early American / Provincial / Special Walnut / Red Mahogany / Antique Brown / Jacobean / Spice Brown / Cocoa / Graphite / Ebony / Grey / Birch / White (See separate colour chart)

Technical data

Type of finish:	Oil modified staining system
Solids content:	35 - 40%
VOC:	Approx. 550 g / litre
Drying time:	Wood tones: 2 hours* White: 6 hours* Ebony / Spice Brown / Cocoa: 12 - 18 hours* N.B. The stain should be coated within 48 hours after application. * Minimum time under normal climate conditions, 20°C / 60% R.H. with reasonable ventilation. High humidity and low temperatures will extend drying times.
Application tools:	May include clean cloths, brush, cut in pad, Bona stain cloths, applicator pad, steel edged trowel, slow speed buffing machine
Application rate:	20 - 40 m ² / Lt depending upon application method
Application methods:	1. Wipe on / wipe off 2. Machine application. N.B. The product contains drying oils and the risk of self-ignition exists. Used cloths, rags or similar must be placed in water or sealed metal containers immediately after use.
Safety:	Classified (see Safety Data Sheet)
Cleaning:	Tools (brushes, trowels, etc) should be cleaned in Mineral Spirits (White Spirit) immediately after application
Shelf life:	1 year from production date in unopened original container
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage and transport. Keep containers closed when not in use.
Disposal:	Wastes and emptied containers should be handled in accordance with local regulations.
Pack size:	0.95 & 3.8 Lt

Preparations

Ensure the floor is acclimatized to its end-use environment, well sanded, dry and free from sanding dust, oil, wax and other contamination.

Optimal application conditions are between 18 - 25°C and 40 - 60% relative air humidity. High temperatures and / or low humidity will shorten the drying time whilst low temperatures and / or high humidity will lengthen the drying time. **Minimum temperature for use is 13°C**

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The coarse sanding should be completed with grit P80 or 100 across the whole floor. Complete the sanding process using a rotary sander; multi-disc attachments are an efficient way to reduce the possibility of sanding marks. Ensure the edges and centre of the floor are sanded equally with no sanding marks being present.

Finish sanding with grit P100 for hardwood timbers and P120 for softwoods. Sanding more finely will reduce penetration of the stain, reduce the colour intensity and adversely affect adhesion of the finish system.

Very dense timber species, such as Ironbark, Grey Box and other similar species, may be difficult to stain using DriFast Stain as penetration into the timber is minimal, particularly in the heartwood sections. Similar issues can be seen with timbers containing high levels of tannin or natural oils which may affect the drying of the stain. It is important not to 'over sand' and close off / 'polish' any such timbers. Where possible it is strongly recommended with such timbers that a trial is carried out to ensure that good penetration of DriFast Stain is obtained, and that the coating system has good adhesion to the stained surface.

It is recommended that Bona Mix&Fill is used for any minor filling of holes, etc. If other fillers are used, they should broadly match the timber colour. The filling process should be completed before the final sanding operation.

Clean the floor well before application of the stain.

The sanding, properties of the timber and the application process control the appearance and final colour of a stained 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**. It is strongly recommended that if uncertainty exists as to the condition of the floor or the potential final appearance that a trial area be prepared and evaluated prior to the floor being finished.

Application

Determine the required colour by trial applications prior to starting the floor. A final check may be made on the floor if required. N.B. Making additional applications of stain makes minimal difference to the final colour achieved so it is important that the correct colour is chosen prior to commencement of the contract.

If a 'darker more solid' effect is required, it is possible to 'water pop' the floor. This process lifts the grain and brings a slightly rough but even surface which 'holds' more stain, thus giving a darker colour. After the final sanding is completed, and prior to the stain application, a lightly dampened mop or very fine mist spray should be used with clean water to dampen the wood. This process must be completed evenly across the floor. Missed areas or uneven application will be seen as a lighter area when the stain is applied. Similarly, if the grain is 'crushed' by materials being dragged across the surface, such as buckets / cans / boots / etc, then this also will be evident. N.B. Allow the floor to dry for 12 hours after water popping; it must be dry when stained.

Stir the stain well before and during use – this is very important with White, or mixes containing it, due to its very high solids content. Any colour mixes must be made in sufficient quantity to complete the complete floor area. When completing larger areas requiring the use of multiple cans it is prudent to mix all of the stain together before application so as to avoid any minor colour variation between cans.

DriFast White, Grey and Birch are most suited for use on lighter 'blonde' floors to further enhance and emphasise the natural colours. Tannin and natural oils may result in colouration variation on timbers such as Oak or Pine species. It is important to understand that the effects of UV light on timber may result in subtle changes in colour. This may be more evident where DriFast White, Grey and Birch have been used.

Do not use DriFast White or mixtures incorporating it on timbers with high levels of tannin / oil content, e.g. Blackbutt, Cypress Pine, etc; the drying times, curing process and adhesion of the stain, and subsequent finishes, may be affected.

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Machine application

1. Apply a thin even layer of DriFast Stain using an applicator pad or similar. Distribute to max. 3 m² at a time. Apply stain at the room edges using an applicator or brush. Avoid applying excessive amounts of stain. Wipe excess stain off in the direction of the grain using a cotton cloth.
2. Wrap a Bona stain cloth around a red pad and place under a low speed buffing machine. Buff the floor within 3 - 5 minutes after application. The cloth will remove any excess. This can be taken to stain other areas of the floor, or can be discarded. The edges should be wiped thoroughly by hand.
3. Complete the remainder of the floor in the same manner. It is advisable to wear protective overshoes ('booties') whilst doing this.
4. It is also possible to apply DriFast Stain by adding the product into the centre hole of a buffing pad wrapped in a stain cloth and then buffing the floor. Additional stain can then be added either into the centre hole or as a small 'puddle' applied to an already stained area onto which the cloth / pad is placed.

N.B. DriFast White should not be applied using this method

Hand application

1. Apply a thin even layer of DriFast Stain in the direction of the grain using an applicator, cloth or brush.
The use of a steel-edged trowel is possible but requires a degree of skill to ensure that an even coverage is achieved with no scratches from the trowel being made.
N.B. This method generally produces a slightly 'lighter' colour than other methods due to a lower volume of stain being retained in the timber.
2. Allow a short time for penetration into the timber.
3. Wipe off excess material within 3 - 5 minutes using a soft cloth or similar

Irrespective of the application method after application has been completed it is recommended that the floor be given a final buffing using a Bona Stain cloth to ensure that all residues are removed from the floor surface.

Attention

The stain must be **completely dry** before overcoating – see Drying Times. In poor conditions DriFast White / Ebony / Spice Brown / Cocoa may take significantly longer to dry; it is recommended that heating and ventilation are used where appropriate. If DriFast Stain is not dry when overcoated the applied finishes may not dry, cure or adhere properly to the stained surface.

Similarly, failure to remove **all** stain residues will result in an uneven appearance and poor adhesion of subsequent finishes to the floor. To check that the surface is dry and free from residues prior to coating being undertaken, rub with a cotton or paper cloth. If the cloth picks up material / colour from the surface, then it is not dry or all excess stain has not been removed. If necessary, gently rebuf the floor using a new Bona stain cloth, moving quickly and lightly across the surface of the floor.

Bona DriFast White

Due to the high solids content of DriFast White it is extremely important that all excess stain is removed from the floor. This may take repeated wiping. It is very difficult to apply / remove DriFast White using a buffing machine and is not recommended, although a final buff of the floor as noted can be carried out. It is advised that the quantity of stain applied is carefully controlled as the timber will only take a specific quantity of stain this will not reduce the amount of colour achieved but will make the task of removal of excess stain easier.

It is **not** possible to obtain a **solid** white appearance using DriFast White even if the water popping technique is used. For a higher intensity of white several applications of Bona White primer should be used **in preference** to DriFast White.

N.B Bona White **cannot** be used to coat a floor stained using Bona DriFast White to increase the 'level' of whiteness, due to potential adhesion issues.

The logo for Bona, featuring the word "Bona" in a bold, blue, sans-serif font with a registered trademark symbol (®) to the upper right.

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Treatment schedule

All colours (except Grey, Birch, White)

1 x Bona Intense
2 x Bona Finish

Grey, Birch, White

1 x Bona Classic
2 x Bona Traffic HD / Traffic GO
Traffic / Mega EVO

It is strongly recommended that where doubt exists as to the correct specification to be chosen for a floor that in all cases the higher specification is chosen. Stained floors require significant additional input with regard to design, work and cost and therefore it is prudent to protect such investment by choosing a higher wearing specification if appropriate.

Floors stained using DriFast Grey, Birch or White may appear to have slightly yellowed in colour if coated with Bona Intense or Mega. For this reason, only Bona Prime Classic + Bona Traffic HD / Traffic GO / Traffic / Mega EVO should be used with DriFast Stain pastel colours.

DriFast stain must be coated within 48 hours of application; finishes applied after this time may not gain sufficient adhesion to the surface.

Please refer to the appropriate datasheets for product information on Bona coatings. These may be found at www.bona.com.au

N.B. Bona DriFast Sealer, Bona Classic UX and Bona White are **not compatible** with Bona DriFast Stain and must not be used as part of any coating specification. Bona Traffic GO must not be used directly on to DriFast Stain.

Maintenance

Detailed floor care instructions are available at www.bona.com.au The introduction of good maintenance procedures upon completion of the contract will protect the floor and extend its life span.

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

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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