



Environmental Benchmark Coating Solutions

INEX Coating Systems Compositions & General application Guide

BEAUTIFY ♦ PRESERVE ♦ CREATE

Stain Plus, Wash & Transluents Timber and Natural Looks

System	Stain Plus Protector system – All in one Stain plus acting as Sealer, primer, finishing coat with high water, and fungal and fading resistance. Supplemented by translucent coatings to create beautifully preserved and enduring qualities and looks.
Substrates	All substrates with some degree of porosity
Project	Decking, Flooring, Façade applications, and more

Applications of EBC Solutions products are possible on all surfaces. Preparation and application are very consistent amongst all products with only minor technique variations for some proprietary products. The application guide and hints below are designed to assist in creating a great finish and help to avoid unnecessary errors.

Our stains and wash range provide more functions than just colour. The first coat of our stains provides a penetrative sealer that prevents water vapour entry and keeps the substrate dry. It then acts as the first coat of a system application for multi product applications. These can include further stain products or other coats such as anti slip.

The wash series can be used with Clear top coats or as a tone variation to create darker or lighter background to stain colours. White, grey, brown and Black are available. Colour combinations of different stains are also possible. See examples of colour systems tabulated. Combinations are not limited and can include Grey and Ebony, or sunshine and black wash, Grey wash and teak, syrup or mahogany.

For surfaces where Anti Fungal, bacterial, mold or insect protection is required such as porous composites, concrete, stone, our deep penetrating colourless Triple Guard Termitreat is applied as a first coat. Our stain products are ideal to protect it against displacement from the elements (rain) in external applications.

INEX DECKING

There are many options for decking applications that Beautify and protect decks like no other. The system combinations are all compatible and provide solutions to all possible applications and environments. These include WH&S in commercial and non commercial, wet or dry high performance.

Product Options

- 1- All board surfaces must be coated with the any of the following 1st coat options depending on final finish and colour choice:
 - A- Translucent natural board finish: Clear stain plus is used where translucent finish is required. It is suitable for use with any of our finishing coats.
 - B- Grey, brown, Blackwash or Black Oak are 1st coat applications for all board surfaces where tonal variation and consistency of colour is required.
- 2- The second and third coats are compatible to any of A or B above. The options and associated warranties are:



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- a. Timber finish - 2 coats Stain Plus Colour from our colour pallet over Grey wash ; 5 years
- b. Natural finish 2 coats of Clear stain plus over any of the first coat options. **3 year warranty**
- c. Any 2 wash series coats plus any clear sacrificial coats. **5 years**
- d. An Additional weather Protect coat over stain plus provides sacrificial wear and tear coat and maintains colour of choice when recoating. **Additional 1 year warranty**
- e. 2 coats of Clear anti Slip in natural or over wash series. **7 years warranty**
- f. 1 coat of clear anti slip over any of the above 3 year options for wear and tear and sacrificial coating. **5 year warranty**

INEX FLOORING

The applicable coatings for this application are Stain Plus clear or colour, Grey Wash, Weather Protect and or clear Anti Slip.

Inex Flooring is provided in natural finish or in Grey wash. Each varies in application and finish properties. The combinations of products are applicable to any side however the application methodologies differ if the products are applied to the smooth side to that of the rough side. Review Application guidelines for details

Natural Finish

The natural finish coating provides protection against the elements beautifies and preserves the natural texture of the board.

The product combination options are:

- Clear Stain Plus on all sides is recommended as first coat
- Either of Weather Protect or Clear Anti Slip are applied as second and third coats on the treadable surface. The finishes are satin to semi gloss and Matte respectively.



Floor wash Finish

The Floor Wash Look Product combination options are:

- Grey Wash on all sides is recommended as first coat. (Black wash, white wash and brown wash are also available)
- Second coat of wash series can be used if it is the colour of choice.
- Either of Weather Protect or Clear Anti Slip are applied as second and/ or third coats on the treadable surface. The finishes are satin to semi gloss and Matte respectively.





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INEX FAÇADE

The applicable coatings for all Ubiq Façade types are Stain Plus clear or colour, Wash Series and Weather Protect.

Inex Façade is provided in natural, wash and Timber Finishes. The combinations of products are applicable to any side however the application methodologies differ if the products are applied to the smooth side to that of the rough side.

Natural Finish

The natural finish coating provides protection against the elements beautifies and preserves the natural texture of the board. The applicable products are Stain Plus Clear and weather Protect Finesse.

The product combination options are:

Smooth Side of the panel

- Clear Stain Plus on all sides is recommended as first coat
- Weather Protect Finesse is applied as second and third coats.

Rough Side of the Panel

A two coat system of Weather Protect Finesses is applied on the rough side. Follow the applications guide for details.

Wash Finish

The Wash Look is a three coat application combination. The options are:

- Grey Wash is recommended as first coat. (Black wash, white wash and brown wash are also available)
- 2 coats of Stain Plus Clear. A matte Clear is also available. or
- 2 coats of Weather Protect Finesse.

Black wash has been beautifully applied on its own as has Ebony in award winning design and build. There are no limits to innovation.

The warranty for this application is 5 years



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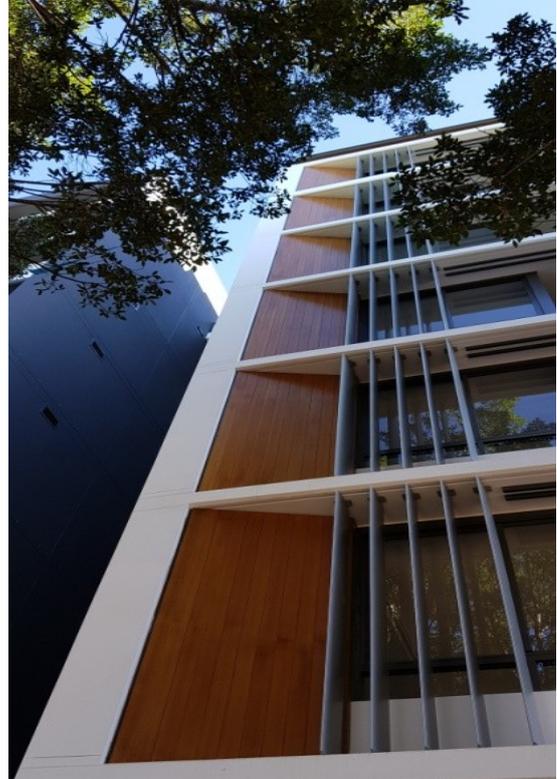
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Timber Look Finish

The Façade Timber finish products applicable are Stain Plus Clear and colour in satin or Matte and Wash Series. The most used system to date is the Grey Wash followed by the colour selections in the colour pallet for the Stain Plus. Brown Wash half strength provides a soft background to the warm timber colour and creates a natural grain depth for such colours.

The products for the timber look are identical to that of decking but without the Weather Protect or Clear Anti Slip. We recommend that weather protect is applied as a sacrificial final clear to future proof and facilitate the routine maintenance of the surface and maintain the original colour of choice.

The warranty for this system application is 5 years.



Fencing and Barriers

The systems noted above have universal application capacities. The Fencing and barrier application options provide degrees of performance, wear and tear grades and various warranty periods.

The three coat system of wash series with 2 coats of stain plus colour of choice is a standard 5 year warranty product with a great look and durable qualities. Where colour of choice is not required to change over the life of the application, we recommend a clear coating as the final coat. This can be satin or matte that acts as the refresh coat in lieu of the coloured stain.

For higher performance, the addition of clear anti slip or weather Protect Finesse at 150 microns over and above any coats of the wash or stain plus provides a 7 year warranty period for the application. Such a system has advantages in the routine maintenance and refresh of applications.

Smooth Side



Rough Side





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Application Guidelines and Hints

Our products are required to penetrate the applicable surface. To ensure this, the correct preparation must be adhered to. The application hints and methodologies guide you in the most appropriate way we have designed the product. Where your experience has provided you with more suitable procedures for the various parameters and conditions under consideration for your application, a trial is highly recommended for both to establish familiarity and comparison for best results.

Cleaning preparation

Clean surfaces thoroughly from dust particles, very fine dusts, flakes, oils, etc and if necessary use pressure gurney and water. Where surfaces are difficult to clean other means may be applied including steel Brushing (directional with grain only) as necessary. The use of mops and brooms are not acceptable means of cleaning.

For surfaces that require degreasing or penetrative oils or equivalent apply diluted **Culoido Clean (CC) or equivalent** to the surface and allow sitting for 3 to 7 minutes depending on degree of difficulty before rinsing well with water. The mixing ratios vary from 1:5 to 1:20 depending on required degreasing intensity. For long term dried solidified dust and grime ensure good cover of CC. Then wash down surface with water. Where necessary use high pressure Gurnee or scrub.

For Deep penetrating Oils, coatings and non standard items such as chewing gum, solvent based previous coatings or extra difficult requirements, Our Universal pH7 Stripper/ Cleaner(Safe and Neutral) can be used locally (refer to method of application of pH7 for more detail).

Do not use alkaline and acidic based cleaners including citric products. Such products will affect the coating and tend to etch or get absorbed into the substrate and becomes difficult to neutralize fully

Screw Holes

Some clients will choose to conceal Screw holes and others not. The consequences of each condition should be understood and addressed. Please consider the details carefully and consult us as required:

Screws are required to remain exposed:

For this application, it is important to make sure that each screw location is individually sealed to ensure that the material surrounding the screw head is properly sealed and is protected from moisture absorption and associated oxidation. This is possible in grey wash or any wash series colour if it is the first coat, alternatively clear Stain Plus can be used universally.

Screws are required to be concealed:

Where Screws are required to be concealed, our Seal and heal product offers the quickest and most durable and proper concealment possible. The product is miscible with our top coats and no coating preparation is required. It is concealed when coated and is least visible when using wash series as first coat. Refer to data sheet and application details elsewhere.



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Application of products

There are no fixed means to applying the products. Trades people and DIY's have used several methods both standard and innovative. Some have used combinations such as roller and wipe or roller and brush and more. The methods noted here are safe and demonstrate our intent to guide

and provide hints for the application of our products. Trials are highly recommended to establish familiarity with the products.

General application tips

The first coat detailed provides a sealed surface and makes the second coat easier with more spread. Generally, it dries very fast due to the absorptive nature of most substrates including timber or composites. The second coat is easier to apply and will spread more except where a preferred finish requires more. Apply to suit required finish in a consistent and directional manner.

Additional coatings result in darker and glossier finishes. Please try finishes on spare materials before you apply on the substrate to be treated.

For Smooth surfaces including composites, Tiles, etc NAP rollers 4 mm or gloss rollers are most suitable for their consistency of cover and least marking. Where colour applies, Spraying must be applied for zero streaking.

Application tools Hints:

The Pad and Brush and roller are the most used and recommended in the various application styles for the Inex products. The techniques for roller applications are common industry practice and such standards must be applied. The hints and techniques noted below should provide best results.

Pads –(synthetic or wool) This is the most flexible means of application with higher degree of consistency for most applications types.

- Pad should not be dripping.
- Ensure pad is consistent across its face area with coating.
- A synthetic pad (Sure line) generally allows a sharp edge finish. Cut the pad to the exact dimension of the board plank width plus Groove. This will ensure that board and grooves are covered in the same stroke. Do not use a brush in conjunction for edges.
- For short pieces up to 1500mm The start point of a fresh pad should be edge 300 to 500 mm from the top or bottom of planks to edge of the plank and back. For 2400- 3000mm the distance should be about a meter. A single flow through may be allowed to firm your consistency of grain with the same pad or with brush if brush finish is preferred. This is generally to taste and should be part of a trial prior to starting.
- Overlapping will show when using stain and as such are not allowed. Key hints in application:
 - Straight strokes and continuous along singular planks are recommended, or double planks at most after trials for consistency of surface.
 - Follow the continuous rhythm and **do not stop in the middle** of a plank.
 - When reaching the end do a fly over rather than a dead stop to avoid finishing lines or liquid lumps/edges. Do not go across planks.
- Keep an eye on some of the miniature holes in the plank and press on the pad to fill/ cover them. While still in motion



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- Practice on a spare plank first to appreciate rhythm and quantity for pad application to suit the finish you prefer. This is thinner than normal stains and spread 10m²/L on first coat and up to 14 on second coat.
- Refer to video for façade applications with Scaffolding.

Brushing alone or with roller: Generally applicable if planks along the grain are 1.5 meters or less. They don't have the carrying capacity for continuous and even applications. Where planks are longer consider the use of Pads or equivalent. Brushing is monotonous and time consuming. Only use to get texture of choice.

1. Brush should not be dripping when ready to apply.
2. Brush a plank at a time starting from a selected end as per short pad procedure to overcome excess product at the start.
3. Do the starting edge first followed by flowing motion of a preferred wide brush to suit selected finish.
4. Brushing over long planks will be difficult and should not be tried if the brush has to be filled mid plank. Best to roll and immediately follow with a brush to get the brush stroke look. (should be done by two people if roller is to be used.) A single flow through can be done immediately to firm your consistency of grain if necessary. This is generally to taste and should be part of a trial prior to starting.
5. Brush with consistency and continuously
6. Keep an eye on some of the miniature holes in the plank and press with the brush to fill/ cover while maintaining continuous motion. This will be smoothed out as you brush
7. Practice on a spare plank first to appreciate rhythm of brushing and quantity per dip of brush to achieve preferred texture and finish.

COATING APPLICATION METHODOLOGY - INEX DECKING

There are two methods that can be applied, the coloured or natural board finish. Both can be applied in the same way as described below, However the clear may be applied using roller finish if it has been trialed and approved as a finish by the client.

First coat:

Where wash Series is used such as Grey Wash:

Grey wash can be applied by either using Sponge backed synthetic fiber a gloss finish roller. Be sure not to allow globules to form. The wash series is required to provide consistency of background and tonal variation without influencing the texture of the finish.

Second and Third coats:

These coats are required to be appropriately applied to reflect the required finish. While we recognise various methodologies of application, we recommend the use of the PAD on the second coat and third. However where a brush finish is required, run the brush while full (not hungry) very lightly to instill the brush stroke and not to take or add. This process may assist to provide final coating consistency and brush stroke as required.



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Anti slip or other clear coatings as final coating:

These products are more tolerant than coloured stains and as such we can use various techniques to suit finish.

- For clear anti Slip, the use of a gloss roller will provide a robust high anti slip finish while maintaining consistent finish.
- The product can also be applied using the Pad recommended above.
- For all other clear finishes, the pad and brush used as detailed above will provide the required finesses for the finish. The use of the roller should be trialed for the right finish to suit client wishes before proceeding.

COATING APPLICATION METHODOLOGY - INEX FLOORING

The applicable coatings for this application are Stain Plus clear or colour, Grey Wash, Weather Protect and or clear Anti Slip.

Natural finishes

- The recommended process for INEX Flooring is spraying due to the large surface area. This will provide the more seamless finishes. However for the clear finish, the first coat can be rolled.
- Where Anti Slip is required as a final coating, roller applications are also acceptable and should be trialed for both familiarity with product and approval of clients. This will provide a consistent anti slip spread.
- Where clear products are used for the final coating, gloss rollers may be used and are more suitable than other tools.
- Standard best painting practice is required to ensure consistent finishes.

Floor Wash Finish

For the Floor Wash Look follows the same process as the natural finish. However the first coat wash series should be sprayed.

COATING APPLICATION METHODOLOGY – All INEX FACADES and WALLS

The applicable coatings for this application are Stain Plus clear or colour, Wash Series and Weather Protect. It is highly recommended that the façade finishes are followed as closely as possible to the recommended procedures.

The finishes include:

- **Natural Finish:** Stain plus 3 coats in clear or 2 off Weather Protect
- **Wash Finish:** Any Wash colour for 1st coat plus 2 coats of Stain plus Clear or weather Protect
- **Timber Finish:** Any Wash colour for 1st coat plus any coloured 2 coats of Stain plus.

Natural Finish

- Natural Finish for rough side, follow the same procedure as for decking.
- For the smooth side, follow the spraying method for both speed and finish quality.
- The 2 coat weather Protect Finesse is a great durable finish in 2 coats.
- Seal & heal covers cracks and screw holes and offers the close colour match to the board



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Wash Finish

The Wash Look is a three coat application combination that includes the wash series coating and the clear top coats. This finish can apply to the smooth or rough side. Use the application methodologies described above as necessary.

Please note that the wash series used alone for more coats than one will increase the opacity significantly. With 3 coats the opacity is in excess of 90%

Façade Timber Finish

The Façade Timber finish applicable products are Stain Plus Clear and colour in satin or matte and the Wash Series.

For the first coat application use the same procedure as for decking.

For the finishing coats (2 and 3) please use the same methodology described for decking and it is highly recommended that the finishing coats use the PAD as an application tool followed by the brush stroke if required for the board lengths in excess of 2 meters.

The standard hints for the use of pad and brush detailed previously should be adhered to.

Fencing and Barriers – All Applicable Inex boards

Fencing and barriers have both surfaces exposed and offer a variety of application options that include automated spraying.

Automated spraying can be used where projects require quantities to be completed quickly. In such events, spraying should be combined with other tools to ensure that pooling and globules are not produced on the board. Since these procedures tend to be self created by applicators for their commercial advantage, our advice will be based on one on one approach.

For the smooth side, spraying is also recommended, however, where a timber look is required, the use of a sure line Pad or equivalent is recommended. The application must be in accordance with PAD application techniques previously outlines. The layering of stains creates depth of tone, grains and gloss levels. This gives a great timber look on the smooth side.

Wear and tear and safety

Where high wear and tear is expected on the applicable surface including commercial applications, two other products may be applied.

- Weather Protect Finesse for vertical surfaces such as walls
- Or Clear anti slip or equivalent for floors and other pedestrian access.

Weather Protect Finesse will provide a clear glossier smooth finish that will act as a sacrificial hard wearing surface on the colour applied. The advantages will include:



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- Stronger and thicker coat against wear and tear
- Scratching and colour damage is minimized
- Repair and maintenance becomes much easier and scratches are easily corrected with a clear product in lieu of coloured coating.
- All repairs of accidental damages are then locally repaired.

- The product has a long shelf life (in excess of 5years)
- This may be applied using Pad , roller or spray methods

Clear Anti Slip applied on the surface will protect the surface with:

- Guarantees the stringent anti slip requirements in wet or dry conditions.
- Higher scratch and Stain resistance,
- A harder wearing surface with greater loading capacity, and more
- A rougher surface with a more matt finish
- Generally best used for OH&S functions as in the case of stairs or inclined surfaces for wet or dry protection such as pool side, bridges, school play areas.

Apply one or 2 coats of clear anti slip on the surfaces that require treatment such as stairs, inclined surfaces, etc. Where Antislip ratings are below R7, One coat of anti slip may be used. Clear anti slip is best applied with a roller to provide controlled spread. If sprayed all adjoining areas should be protected prior to spraying. The thickness per coat is about 80 microns. Apply 2 coats for medium to heavy trafficable surfaces.