




## TECHNICAL BULLETIN

### STAINING



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Staining a timber floor can enhance the natural appearance of the timber by bringing the natural grain structure of the wood to life and providing the homeowner with a unique floor in their home.

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The information in this Technical Bulletin represents typical values. Application variables affect product performance therefore this information should be used as a guide. The user must satisfy themselves as to the suitability of this product for their requirements. Era Polymers assumes no liability for use of this information.

## AQUAPRO 2120 WATER BASED DYE STAIN

AQUAPRO 2120 and 2770 is a water based dye stain designed to achieve consistent colour with excellent clarity. AQUAPRO 2120 is available 8 bright vibrant colours which can be blended to produce a wide colour range.

Applying AQUAPRO 2120 and 2770 allows you to change the appearance of a timber floor with minimal cost and effort. It provides a uniform concentrated colour, which in some cases may help to even out different timber colours common in natural timber floors.


AQUAPRO 2120 and 2770 is easy to apply and may be applied by spray, brush, wiping or roller/applicator. To improve the application and to ensure a uniform stained finish, AQUAPRO 2120 should be reduced with AQUAPRO 1330 Medium Stain Reducer or AQUAPRO 1320 Slow Stain Reducer. The addition of either of the AQUAPRO Reducers will reduce the colour strength of the stain giving the applicator the opportunity to achieve different colour shades. Depending on the applicators requirements and desired dry time AQUAPRO 1330 Medium Stain Reducer is suitable in cooler conditions whilst AQUAPRO 1320 Slow Reducer is suitable for use in warmer weather and on larger projects.

### Application

Choose your AQUAPRO 2120 and 2770 stain colour carefully as the combination of natural timber colour combined with the stain will affect the final colour. For example a walnut coloured stain applied onto cypress pine will provide a different colour than if the same walnut stain were applied onto Jarrah or Brushbox timber floor. Polycure recommends that a test area be stained prior to staining the main floor area to ensure that the desired colour and finish is achieved.

#### 1. Preparation of the Surface:

- Ensure that the floor is clean and free from any contamination.
- The surface of the floor must be thoroughly sanded as per AS 4786.2.2005 to achieve a smooth scratch free surface. Finish with either a 180 screen back or sand paper.
- Failure to remove deep scratch marks or swirls from the sanding action will result in these marks being highlighted by the stain.
- The floor must be thoroughly clean and free from all dust before the stain is applied.

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## 2. Mixing the colour (AQUAPRO 1320 or 1330 Stain Reducer)

- Addition of AQUAPRO 1320 Slow Stain Reducer or AQUAPRO 1330 Medium Stain Reducer into AQUAPRO 2120 will reduce the strength of the colour and in the case of the AQUAPRO 1320 slow the dry time allowing the stain to be applied to larger areas. By reducing the strength of the stain you will be able to vary the intensity of the stain colour.
- AQUAPRO 1320 or 1330 Stain Reducer may be added into AQUAPRO 2120 and 2770 at any addition rate between 1:1 and 1:6 (1 Part Stain to 6 Parts Reducer) depending upon the application properties and colour required. Note: AQUAPRO 1330 Medium Stain Reducer is not recommended for warm climates.
- Any colour in the AQUAPRO 2120 and 2770 range may be mixed together to achieve an almost unlimited colour range.
- Note: AQUAPRO 2120 and 2770 cannot be used to achieve “white lime finish”.

## 3. Application Method:

- Even application of the stain is essential to ensure a uniform even colour.
- The reduced AQUAPRO 2120 or 2770 is designed to be applied directly onto the floor in a wet even application (Do Not pour or pool the stain onto the floor). It is best to apply the reduced stain with a 6mm nap mohair roller or a flat pad applicator to provide an even colour across the floor. It can be left to dry or wiped with a cloth to highlight the grain in the timber depending on the desired effect. (Note: The addition of extra AQUAPRO 1320 or AQUAPRO 1330 lightens the overall colour on the floor and may also lengthen the dry time).
- The addition of more than one coat of stain to darken the colour of the floor is not recommended as it will only deepen the colour marginally and will extend the dry time of the stain. This process may also cause problems when applying the sealer as the excess stain may cause roller marks on the dry floor.



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#### 4. Dry Time:

- The dry time of the mixed stain is dependent upon the amount of AQUAPRO stain reducer added and the ambient temperature and humidity. Generally the floor should be left to dry for the following time:
  - AQUAPRO 1330 Fast Reducer 6 hours at approximately 20°C before applying any further coatings.
  - AQUAPRO 1320 Slow Reducer 24 hours at approximately 20°C before applying any further coatings - recommended for 2770
- Keep direct sunlight, draught and all sources of heat off the timber prior to, during the application, and while drying to ensure a uniform even colour. Ensure the stain is thoroughly dry before applying one of the following coatings.
- AQUAPRO 1330 Medium Stain Reducer should only be used in cold environments. If applied in hot environments it will cause the mixed stain to dry too fast resulting in possible problems during application of the stain and the sealer coats.

#### 5. Over coating:

- AQUAPRO 2120 and 2770 Water Based Dye Stain may be over coated with one of the following coatings.
  - FASTSEAL 3030, 3535 Clear Sealer highly recommended to provide a sound base coat.
  - DURAPOL 1044, 1045, 1050, or Titan Moisture Cure coatings.
  - NATUROIL 3100, 3115 or 3120 Oil Based Coatings.
  - POLYTHANE 2043 Two Pack Polyurethane coating.
  - AQUAPRO 8068 Hitek Water Based coating or AQUAPRO 8270 Advance 2K

Note: To reduce the risks of Tram lining or white lining (white lines in board joints) on stained timber floors, choose your coating system carefully. Low gloss coatings over dark strong colours or timbers can become stretched with constant timber movement. See the relevant product data sheet for the application details for each of the above products.

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