



BP FloorDye-WB (Deep Penetrating Waterborne Permanent Colour Tones)

FloorDye-WB is a ready-to-use, waterborne, deep penetrating dye designed to give concrete and cement-based indoor & outdoor surfaces a vibrant and translucent colour. FloorDye-WB does not act like paint; the colours produced are translucent, variegated and mottled in nature and formulated to penetrate the pores of the concrete.

Features: FloorDye-WB is a deep penetrating compound that diffuses the pores of any unsealed and unpolished concrete or cementitious surface. The colour produced is unique to each surface, according to its conditions and degree of porosity. Several tones of FloorDye-WB may be used on a given area either simultaneously or consecutively in order to produce unique and endless variety of colouring effects and hues. FloorDye-WB is suitable for interior residential and commercial applications on vertical and horizontal surfaces. FloorDye-WB may be applied on fully cured concrete or any other cementitious overlays.

Advantages:

- Penetrates and seals the pores of the concrete and gives an excellent customised look of the surface
- Very easy to use, waterborne, environmental friendly, quick effects of choice, and cost effective
- Produces an attractive translucent and mottled colouring effect
- Can be used to create an endless variety of customized and unique looks
- Available in a wide range of colours

Directions for use:

Surface Preparation: Substrates should be prepared mechanically by bush hammering, grit blasting, etc., to produce a clean, exposed aggregate finish, free from dust, oil, grease, paint, laitance etc. to provide a 'key' for the **FloorDye-WB**. Dirt, laitance, coatings, oil, water repellents and curing compounds must be removed from the surface by water jet, sand blasting, or degreasing agents. The surface must also be free of paints, sealers, alkali, and penetrating sealers. If washing or degreasing fails to remove such coatings, the surface must be sandblasted or grinded. Dense concrete surfaces may be opened up by mechanical means, such as light sand blasting or high-pressure water washing.

All concrete surfaces must be allowed to fully dry after cleaning and prior to application of FloorDye-WB. Prior to full application, test the surface for dye acceptance; if water beads on the surface, then additional cleaning, sanding and grinding will be necessary.

Mixing: Mix & stir **FloorDye-WB** in the same container thoroughly until a homogenous coloured liquid is formed. FloorDye-WB is supplied pre-mixed and ready to use. Mix well before use. For a lighter hue, FloorDye-WB may be diluted with acetone. Two or more tones of FloorDye-WB may also be mixed together prior to application in order to produce customized colours, or applied wet-on-wet or wet-on-dry for varied colouring effects.

Application: For application over a large area and for best results, use a solvent-resistant hand-pump sprayer of professional quality. For more intricate details and

small areas, a sponge brush may be used to transfer the material to the surface.

Do not allow puddles to form on the surface; this indicates heavy application. Always overlap newly applied areas with older ones in order to maintain a wet edge. FloorDye-WB dries quickly and must therefore be applied rapidly. Once first coat has dried; wipe the surface with a dry white cloth to check for colour acceptability. Apply subsequent coats as necessary to achieve desired colour. Any liquid remaining on the surface must be removed prior to sealing. Do not allow moisture to come in contact with the surface before it has been sealed. Sealer coat must be applied as soon as possible after the dye has completely dried. FloorDye-WB will dry to the touch in 5-15 minutes, and sealer coat may be applied during the same day.

Application of FloorDye-WB has a very strong tinting effect, and may overtake the colour of any chemical stain, colour hardener, or skim coat overlays. It is therefore recommended to test a small area first to check for colouring effect.

Sealing: After the surface has dried completely, the dyed area **must** be sealed with **A-Z Super Sealer** as soon as possible, using a solvent-resistant hand-pump sprayer. The surface should then be inspected periodically for sealer-worn out areas and resealed as necessary. Refer to the relevant GMC technical data sheet for application instructions. Inspect periodically for sealer wear and reapply as necessary by sprayer only. Clean all tools and equipment promptly with clean water.



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Shelf Life:

12 months in a properly closed container. As usual with such materials, protect from extremes of heat and cold. Do not store in open and always rotate stock, using oldest material first.

Pack Size: 1 US Gallon packs

Limitations:

FloorDye-WB is non-flammable, highly alkaline, therefore, exercise extreme cautions while using. Use only in well ventilated areas. The final appearance is unique to each surface and is dependent on the surface's mix design, porosity, age, colour, & surface texture; the application technique, applicator's experience, weather conditions, and sealer coating.

Mottling and colour variation is likely to occur due to surface condition variations. The final appearance cannot be guaranteed or predicted. It is therefore highly recommended to apply **FloorDye-WB** to a test section of each surface in each desired colour. FloorDye-WB will not perform properly where oils, form release, sealers, dirt, and other coatings are present. Surfaces must be thoroughly cleaned prior to application. Concrete surface must be porous and absorptive; do not apply on pre-polished and sealed concrete. Intended for indoor applications only; FloorDye-WB should not be used to hide surface imperfections or blemishes.

Coverage:

FloorDye-WB may be applied full strength as supplied or diluted with acetone to produced lighter hues. Exact coverage rate will depend on the method of application, mix design, texture and porosity of the surface and job conditions. Approximately 30–50 m² per gallon per coat is the dominant coverage rate.

Working Time:

FloorDye-WB has a working time of approximately 15 minutes at 25°C.

Health & Safety Precautions:

FloorDye-WB is non-flammable. Do not breathe fumes; may cause eye irritation and coughing. Avoid contact with skin and eyes. Wear proper protection including vapour mask, face mask, rubber gloves, goggles, and protective clothing. Do not take internally, may be fatal if swallowed.

First Aid:

Eyes - flush with plenty of water and seek medical attention immediately. Ingestions – give several glass of water or milk and seek medical attention immediately. Skin – wash affected area immediately. Inhalation – move to fresh air.

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