



BP Floorshield-DPH (Waterborne, Deep Penetrating, Floor Surface Hardener)

BP Floorshield-DPH is an aqueous chemical treatment used as floor hardener and dust proofer, designed to improve both old and new concrete floor finishes. It combines easily with water for application purposes ensuring that a dense, hard, dust free surface is provided; and adds protection against wear, impact and abrasion, and a high resistance to various industrial chemicals, oils, grease, and detergents etc.

Uses: BP Floorshield-DPH is designed to ensure improved durability in applications where the floor is subjected to medium and heavy traffic and where a non-dusting surface is required. It improves the in-use performance of all concrete floors. BP Floorshield-DPH is suitable for use in a wide range of industrial, commercial, and institutional flooring applications, such as Workshops, Power Stations, Garages Car Parks, Warehouses, Loading Bays, Factories, Shipyards, Aircraft Hangars, Helipads, Traffic Decking, Car Washes, Workshops where tracked vehicles are serviced, Military installations where tracked vehicles are used.

Advantages: BP Floorshield-DPH carries several advantages as follows:

- Applied monolithically to fresh and old concrete with ease of application
- Wear, abrasion, and impact resistance superior to concrete, maintenance free
- Non-oxidising, Slip-resistant, Non-dusting, Easy to clean and maintain
- High impermeability compared to concrete under the same conditions
- Forms an integral part of the floor surface and will not delaminate, peel or wear away

Directions for use:

Surface Preparation: All surfaces must be clean and free of oil, grease and other chemical contamination. Oil and grease can be removed using a Heavy Duty Degreaser. Any dry dust should be removed by vacuum cleaning or brushing. New concrete will require at least 10 days to thoroughly dry out before treatment.

Application: Using the dilution rates shown overleaf BP Floorshield-DPH should be applied by watering can and spread over the surface with a brush or squeegee and kept moving until absorption is no longer evident. Any excess solution should be drained off to leave a dry surface. Second and third coats should be applied after each previous treatment is thoroughly dry (24 hours is usually long enough). Following the final treatment the surface should be washed with water to remove any solution which has not been absorbed. This should normally be done for about 12-24 hours after the final application but in hot weather should be done earlier. Clean all equipment with water immediately after use. Contact with glass, metal, paintwork or clothing should be avoided.

Specification Compliance:

- ASTM C944 (Abrasion Resistance)
- M.O.H.S. (Hardness)

Typical Properties:

Appearance	: Clear like water
Chemical Resistance	: Oils, acids, salt, etc
Over coating time	: 24 hours
Specific gravity	: 1.4±0.1
Viscosity	: 250-500 CP at 20°C

Pack Size: 280 kg drums

Coverage & Dilution Ratios:

Porous (5m ² /litre) @ 3 coats	: 1:3 (DPH: Water)
Dense (8m ² /litre) @ 2 coats	: 1:2 (DPH: Water)
Dense (12m ² /litre) @ 1 coat	: 1:2 (DPH: Water)

Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a Buildplus Management System to conform to the requirements of the quality, environmental, health & safety Standards.



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Shelf Life & Storage:

Six months if stored properly in original unopened packing in a dry, cool, and ventilated conditions away from direct sunlight. It should be stored as supplied, until ready for use. Opened cans or drums should be used first. Use oldest material first.

Important check points:

- o The surface is clean, dry, & free from contaminants
- o The surface is protected from traffic for 24 hours
- o Get the work inspected by engineers at site for faults by checking for even application & strength

Health & Safety Precautions:

Goggles, rubber gloves, and boots should be used during application. Contact with the skin should be avoided. Accidental splashes on the skin should be washed off with soap and water. Contact with the eyes should be avoided however accidental contact should occur the eyes should be washed with copious amounts of water and medical treatment sought. If swallowed do not induce vomiting but seek immediate medical aid. Contaminated clothing should be removed and washed with soap & water.

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