

PRODUCT DATA SHEET

DP30 Masonry Waterproofing

A damp and water-proof protective coating for masonry and cementitious systems

Product Description:

DP 30 Masonry Waterproofing is an easy to apply product that prevents water seepage in new and old masonry. It can be used as a preventative system or as remedial system to prevent water ingress. The product blocks the movement of water and forms a protective layer that stops its migration through masonry and cementitious systems.

Chemical Base:

- Specially selected cementitious blends.
- Non-shrink additives.
- Water proofing additives.
- Pigments for different product colour finishes.

Characteristics/Advantages:

- Easy to use (just add clean water).
- Very good placement and finishing characteristics.
- Adjustable consistency (controlled by the amount of water added).
- Resistance to cracking.

Typical Applications:

- Applicable for concrete, clay and concrete bricks, breeze blocks etc.
- Suitable for water retaining structures such as ponds or pools. Safe for fish.
- Suitable for sealing areas from water ingress like balconies, walls and other areas that are prone to water ingress.
- In showers and other wet areas in the home.
- Under tiles to prevent water ingress

Surface Preparation:

The concrete surface or substrate must be structurally sound. Surfaces must be free of oil, grease, dust, rust, paint laitance and any other contaminants. Loose paint or crumbling concrete must be removed prior to application of **DP 30 Masonry Waterproofing**.

The product performs best when it is applied to moist and clean surfaces, however, the surface cannot have pooled or running water on it.

Mixing:

- Mix 5 L of water per 10kg bag for a stiffer application when higher thicknesses are required. This is recommended for uneven and very porous surfaces or areas that are permanently under water such as breeze blocks or ponds etc.
- Mix up to 10 L of water per 10kg bag for a thin, paint-like consistency. This is suitable for concrete and brick walls that need waterproofing against occasional water ingress such as areas that are exposed to periodic rain.
- We suggest adding 5 L of water per 10kg bag for the best product performance. On very porous surfaces (such as breeze blocks), use an initial coat of **DP 30 Masonry Waterproofing** where 1L of water is to be added per 1kg of dry product. This is to be applied as a primer coat to help penetrate the pores.
- Add powder to water and mix to form a smooth, lump free liquid. It is important to ensure that the product is thoroughly mixed prior to application. Any lumps present in the mixture will show on the surface of the substrate once applied.
- A drill with a paddle or paint mixer is advised to mix larger quantities. Let the product stand for about 1 minute after initial mixing prior to application to allow excess air bubbles to escape.

Placing/Application:

- Generously apply **DP 30 Masonry Waterproofing** with a soft bristle brush or roller in a single direction for the first coat. For a second coat, allow the first coat sufficient time to get touch dry. Drying times will vary according to surface temperature. Apply second coat in the opposite application direction (e.g., Up-and-down for first coat and side-to-side for second coat).
- Ensure that the entire surface is thoroughly coated, and no holes or thin spots are visible. It is possible to touch up holes and thin spots after the first coats are applied to ensure that a solid “membrane” is in place to let no water through. This product is designed to bond very well to itself when it is dry or wet.
- The product can also be applied as a thicker coating by adding less water. It can then be applied and finished with a steel trowel. A smooth finish can be achieved by finishing the product with a suitable steel trowel. Be careful not to add too much finishing water to the surface or it will weaken its abrasion resistance.
- **Never** add more water to mix to soften it if it has hardened as this will weaken the product. Only mix up as much product as you can apply in about 30 minutes. High temperatures may cause quicker setting.
- To prevent settling stir product frequently.
- This product will increase in strength over time and it is best to spray the surface with a fine mist of water after it has first visibly dried to help it achieve this strength as early as possible.
- When the product is used as a final finish in contact areas such as showers etc., it is advised to use a suitable “Water-proof Sealing Coat” to protect **DP 30 Masonry Waterproofing** from wear as a result of abrasion.
- The colour of the product will appear darker at first until final curing has occurred. This will depend on the moisture content of the structure. Some applications may take many days or weeks to achieve final colour if they are thoroughly moisture saturated.

Ponds and Water Retaining Structures:

- Follow mixing instructions as they are stated above.
- Two coats at minimum are advised for this application.
- A trowel on application for a smooth steel float finished surface is also possible. This can be done by adding less water to the mixture to obtain a thicker mixed product.
- For the initial fill ensure that the coating has suitably hardened first, then with a mist spray, hose the surface off gently. Remove the hosed-on water from the water retaining structure and then fill it with clean water.
- The product has a high pH when wet, which may increase the pH levels of water and should be tested before allowing swimming or placing in fishponds.

Coverage:

- Coverage is based on 2 application coats
- At 5 L of water per 10kg bag addition coverage is +/- 12m²
- At 10 L of water per 10kg bag addition coverage is +/- 25m²
- Rougher surfaces such as breeze blocks may use more material per m² than smooth surfaces.

Product Data:

Appearance:	Powder
Colour:	Available in Charcoal, Grey or White
Packaging:	Available in 2kg boxes or 5kg & 10kg buckets
Storage Conditions:	Store in a dry cool area, between 5 -25°C
Shelf Life:	12 months in unopened packaging when stored in recommended storage conditions.

Health and Safety Information:



Keep out of reach of children. Do not breathe dust. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/ protective clothing/ eye protection. Wash face, hands and any exposed skin thoroughly after handling. For further health and safety information refer to the product SDS.



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