

TECHNICAL DATA SHEET

DAMP SEAL D.P.M.



DESCRIPTION



Harris Damp Seal D.P.M. is a ready to use, odourless, rubber enriched bitumen emulsion which provides a highly effective sandwich damp-proof membrane for floors. Also acts as a waterproofer for walls, above ground structures and foundations.

May be used inside or outside. Harris Damp Seal D.P.M is also suitable for use as an adhesive for wood block, mosaic panels, insulation boards, expanded polystyrene, cork and as a plaster bonding agent, even on difficult surfaces.

COLOUR

Black

BENEFITS

- Forms an impervious water and water vapour barrier on most surfaces
- Internal or external use
- May also be used as an adhesive or bonding aid
- Low hazard - Water clean up

TYPICAL USES

- Providing sandwich damp-proof membranes for floors.
- General Waterproofing: - for use on concrete, fibre/cement, render, plaster etc.
- For waterproofing structures such as bridge abutments, retaining walls and culverts.
- For fixing wood blocks and wooden mosaic flooring
- As a bonding agent for plastering difficult substrates such as glazed tiles
- For fixing insulation boards, expanded polystyrene and cork slabs.
- As a curing agent for concrete

LIMITATIONS

- Do not apply when rain is imminent
- Protect from rain and frost until cured (The coating may be assumed to be dry when rubbing with a wet finger does not produce a brown stain).
- Do not use in areas where subsequent solvent contact is likely.
- Allow sufficient drying time between coats.
- Stir well before use.

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- The product may bleed through any paints subsequently applied over it. Apply a primer recommended by the paint manufacturer before overpainting.
- This product will not provide a replacement for a DPC. Ideally, it should be used in conjunction.
- Gloss paints and other oil or alkyd-based paints must not be used directly over a surface treated with Harris Damp Seal D.P.M.

DIRECTIONS FOR USE

GENERAL SURFACE PREPARATION: STIR WELL BEFORE USE. The product is brown in colour but dries black. Before applying, ensure all surfaces are clean, touch dry (free from excess water), sound and free from any contaminants, which may affect adhesion. Base concrete must be finished off with a wooden float to give a smooth surface. Tamped surfaces are not suitable owing to the difficulty of ensuring adequate coating over the high spots. Prime porous surfaces with Harris Damp Seal D.P.M. diluted 1:6 with water and allow to dry.

DAMP-PROOFING FLOORS:

Apply by brush, a minimum of 2 coats, each at 0.8 litre per m², (0.75 quart per yd²) carrying the treatment up the walls to join the existing wall DPC. Allow the first coat to dry before applying the second coat at right angles to the first. When dry, a sand/cement or concrete screed of approximately 50mm (2 inches) thick is then laid over the Harris Damp Seal D.P.M. membrane.

WATERPROOFING WALLS:

If a condition of rising damp exists, the best form of treatment is the insertion of a damp proof course. Where dampness is due to penetration of the wall, proceed as follows:

a) Exterior walls: Level uneven surfaces with cement mortar. Apply three coats of Harris Damp Seal D.P.M. with a soft bristled brush, each at a rate of 0.5 litre/m² (0.5 quart/yd²) allowing each coat to dry before applying the next. Allow the final coat to become tacky, then blind with clean, sharp sand.

b) Interior walls: (moderately damp): Remove wallpaper, loose emulsion/gloss paint and any dust or grease. Make good any damaged or perished plaster. Lightly dampen the prepared surface and apply 3 coats of Harris Damp Seal D.P.M. with a soft bristled brush, each at a rate of 0.5 litre/m² (0.5 quart/yd²) allowing each coat to dry before applying the next. A horizontal strip running 300mm (1ft) deep should be left uncoated at the top running the whole length of the wall. This permits trapped moisture to escape by evaporation.

c) Interior walls (very damp): Wherever possible, very damp walls should receive an external treatment such as waterproof render/masonry paint etc. If it is not possible, the following procedure may benefit although it must be emphasized that only adequate external treatment will cure the most severe conditions.

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Hack away old plaster from the entire area and damage to joints or brickwork must be made good with cement mortar. When the mortar has dried, apply 3 coats of Harris Damp Seal D.P.M. with a soft bristled brush, each at a rate of 0.5 litre/m² (0.5 quart/yd²) allowing each coat to dry before applying the next. When the final coat has thoroughly dried, the wall should be re-plastered.

DECORATING:

Gloss paints and other oil or alkyd-based paints must not be used over a surface treated with Harris Damp Seal D.P.M. Where Harris Damp Seal D.P.M. has been used over plaster, it is recommended that a lining paper, fixed with cellulose paste should be hung. This will provide a suitable surface for emulsion paints and for wallpapering. NOTE: Vinyl coated papers or paper-backed Vinyls should NOT be hung over Harris Damp Seal D.P.M.

WATERPROOFING STRCUTURES:

Harris Damp Seal D.P.M. will provide a waterproof membrane on bridge abutments, retaining walls, culverts, concrete or brick foundations. It also acts as a curing membrane when applied to green concrete. The surface should be sound and free from dust, dirt and grease. Hot, very dry or absorbent surfaces should be dampened with water. Apply two coats of Harris Damp Seal D.P.M. each at a rate of 0.5 litre/m² (0.5 quart/yd²).

FIXING WOOD BLOCKS AND MOSAICS:

For fixing wood blocks of 12mm (1/2 inch) thickness and above, dip the bottom face of each block into the material and place into position immediately. Coverage is approximately 1.1 litres/m² (1 quart/yd²).

For fixing wood mosaic panels, spread Harris Damp Seal D.P.M. onto the surface at 0.8 litres/m² (0.75 quart/yd²) and place the panels into position immediately. A minimum of 24 hours should be allowed before sanding/trafficking.

Where under floor heating is incorporated into the sub floor, the heating must be turned off for at least 48 hours before and after tiling.

NOTE: On low porosity or non-porous surfaces, allow the Harris Damp Seal D.P.M. film to partially dry before placing the wood mosaics/blocks into position. In most circumstances, a period of 30-40mins will suffice, but do not allow to dry off completely.

Under no circumstances, should such floorings be laid on existing floor coverings.

PLASTER/RENDER BONDING/KEYING:

When a "keyed" surface is required (plastering onto glazed tiles, gloss painted walls and bricks, or to bond sand/cement renders) apply two coats of Harris Damp Seal D.P.M. each at a minimum rate of 0.25 litres/m² (0.25 quart/yd²). Allow the first coat to dry before applying the second and blind the second coat with clean sharp, dry, sand. Allow at least 48 hours before plastering or rendering (at least 6mm (1/4 inch) thickness).

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NOTE if gloss or alkyd paints are to be used as a decorative finish, the plaster over the Harris Damp Seal D.P.M. must be applied in two coats to give a minimum total thickness of 15mm (5/8 inch).

DRYING TIME

4 -6 hours depending on drying conditions

CLEAN-UP

Clean tools immediately after use with water. Once cured, dried product can be removed with Kerosene (paraffin) or White Spirit.

PROPERTIES

Type Of Solvent	Water based emulsion (non-flammable)
Flashpoint	Non-flammable
Specific Gravity @ 20°C	1.0
Coverage	See specific sections: 6 – 10m ² /5 Litre (5 - 9 yd ² /gallon) tin as approximation
Service Temps	-10 to +85c.
Application Temps	+5 to +50°C. DO NOT APPLY BELOW 5°C
Fire Resistance	Wet product: Non-flammable Dry product: Will support combustion
SBS Content	14% w/w minimum
Chemical And Water Resistance	Resistant to: most salt solutions, dilute acids and alkalis, water. Not resistant to: Oils, solvents and some detergent solutions.

PACKAGING SIZES

Gallon (3.785 Litres) and Five Gallon (18.92 Litres)

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Skin contact	There may be mild irritation at the site of contact. Wash immediately with plenty of soap and water.
Eye contact	There may be irritation and redness. Bathe the eye with running water for 15 minutes.

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Ingestion	There may be irritation of the throat. Wash out mouth with water.
Inhalation	No symptoms

Storage: Store in original container in cool, dry conditions. PROTECT FROM FROST.

Shelf Life: 24 months from date of manufacture when stored according to manufacturer's instructions.

TECHNICAL ASSISTANCE

For advice and recommendation on the use of all Harris/BH Paints and Building Products, consult the Harris Technical Department, Tel: (246) 429-4840.

Email: technical@harrispaintsonline.com