



DPC DAMP PROOF COATING

SINGLE PART LIQUID APPLIED MEMBRANE
FOR WATERPROOFING AND VAPOUR BARRIER

USES

- **Floor** Under / above screeds to provide a damp proof membrane
- **Basements** As part of a waterproofing system beneath ground level
- **Tiling** Protection under tiles in wet areas.
- **Toilet** Withstand soaking and movement.
- **Roof** Base Coat before Top Coat.
- **Silage Storage** Protect concrete from silage attack
- **Vapour Barrier** Prevent Vapour transmission.

High Performance product

FEATURES

- Water based, non-toxic, non-hazardous, solvent and plasticizer free
- Quick drying (touch dry in 30 mins). Dry to form a tough semi-gloss finish.
- Good bonding to various substrates.
- High toughness, flexibility, extensibility and good crack bridging properties
- Non-staining. Resistant to alkali and silage acids.
- Can be applied to damp backgrounds.

APPLICATION METHODS

- The background surface should be smooth or have light even texture. Existing surface defects must be made good before coating.
- The surface must be clean, sound and free of dust, loose material or free surface water.
- The clean surface shall be primed by mixing **DPC and water at a ratio of 1 : 1**. Allow it to dry before 1st & 2nd or 3rd coat of **DPC**.



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TECHNICAL DATA

- Touch-dry : 30 mins
- Color : Black, Cement Color, White.
- Elongation : 780 %
- Wet Film Thickness : 0.7mm/coat
- **Coverage**
 - Metal Surface : **50– 60 m² / 20 kg-pail** (2 layers with thickness 0.4- 0.5 mm).
0.4 kg/m²
 - Concrete Surface : **28– 35 m² / 20 kg-pail** (2 layers with thickness 0.7- 0.8 mm).
0.7 kg/m²

REMARKS

- Avoid direct exposure to UV or excessive heat.
- Water Ponding test should be carried out at least 4 days after all coats had been applied. Under unfavorable drying conditions, this may need to be extended.
- Do not apply the **DPC** membrane when there is a high chance of rain.



PACKING 5 kg-pail 20 kg-pail.

Disclaimer:

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ADMATERILS TEST REPORT No ADM/13/4015 DATED Dec 2013.

No	TESTS	HDB'S ACCEPTANCE CRITERIA	TEST RESULTS	
1	Resistance to water penetration (mm)	Depth of penetration should be 0	0	
2	Adhesion to substrate (N/mm ²) a) Condition as at cast b) Water immersion for 3days	≥ 0.2 N/mm ²	0.72 0.27	
3	Tensile Strength (N/mm ²)	a) Before ageing	1.9	
		b) after ageing at 50°C,14 days	1.67(-6.70%)	
	After immersion in the following chemicals for 72 hrs at room temp	c)0.5%(v/v) NaOCl	≥ 1.0 N/mm ² and -ve change ≤20%. No limit for +ve change.	1.96(+9.50%)
		d)1.25%(v/v) NH4OH		2.07(+15.64%)
		e)3.7% (v/v)HCl		1.46(-18.44%)
	Elongation at Break (%)	a) Before ageing		≥150 %
b) After ageing at 50°C,14 days		≥ 120% and -ve change ≤20%. No limit for +ve change.	883(+13.21%)	
After immersion in the following chemicals for 72 hrs at room temp	c)0.5%(v/v) NaOCl		881(+12.95%)	
	d)1.25%(v/v) NH4OH		752(-3.59%)	
	e)3.7% (v/v)HCl		776(-0.51%)	
4	Crack Bridging	1)No cracking at 2mm 2)No cracks after 10 cycles of stretching and closing to a width of 1mm	1)No cracking at 2mm 2)No cracks after 10 cycles of stretching and closing to a width of 1mm	
5	Hardness (Shore A) After 2hours cure	≥30	41	
6	Set-to-torch	Should torch dry within 60 mins	30 mins	
7	Volatile content	< 50%	17.01%	
8	Verification of base polymer	Polymer which undergoes hydrolysis should not be used	Vinyl Acetate Ethylene Copolymer	

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