

**NEW WORK/REPAINT:** NEW WORK - EXTERIOR - WATERPROOFING - barrier coating

**SUBSTRATE:** Cement Plaster, Concrete, Brickwork

**PAINT FINISH:** Plascon Dampseal PRODUCT CODE: **WDS 1**  
(A water barrier coating against rising and penetrating damp)

**COLOUR:** White

**ENVIRONMENT:** **The Maintenance Cycle is a guide but can vary due to micro-climate changes identified on the site which will affect the longevity of the coating system**

As per ISO 12944: Maintenance Cycle (Years)

C1 -	Inland	3
C3 -	Industrial	3
C5 -	Coastal / Marine	3

Plascon Coating System	Application Method	Spreading Rate m <sup>2</sup> /ℓ	WFT/DFT μm (min & max)	Reducer/Cleaner	Overcoating time h @ 23 °C	Technical Data Sheet No	TVOC g/ℓ
<b>Sealer Coat</b> Plascon Dampseal (WDS 1) (thinned 3:1)	B only	@ 50 μm Theo: 10.2 Prac: 7	WFT 117-144 DFT 45-55	Min. Turps (AZH 1)	24	WDS 1	
<b>1<sup>st</sup> Finishing Coat</b> Plascon Dampseal (WDS 1)	B or R	@ 100 μm Theo: 5.1 Prac: 3.5	WFT 176-216 DFT 90-110	Min. Turps (AZH 1)	24	WDS 1	

**SURFACE PREPARATION:**

**Cement plaster, concrete, fibre-cement**

- ^ Ensure that surfaces are clean, dry and sound.
  - ^ Concrete must cure for minimum 28 days and cement plaster 14 days before painting.
  - ^ Remove any hollow and soft/underbound plaster and replaster.
  - ^ Remove dirt and loose particles.
  - ^ Remove any oil, grease and other contaminants with Plascon Aquasolv Degreaser (GR 1) working it well into affected areas with bristle broom or brush. Leave for 20 minutes to react, then rinse thoroughly with fresh water to remove all traces of Plascon Aquasolv Degreaser (GR1) , using high pressure water jet or scrubbing with brush or broom. Allow to dry completely.
  - ^ Remove fungi and algae by scrubbing with a solution of household bleach (3,5% sodium hypochlorite) - 1 part bleach to 2 parts water by volume. Leave for 1 hour, then brush off with a bristle brush. Rinse thoroughly with tap water to remove all traces of bleach and allow to dry.
  - ^ Fill cracks and other surface defects with the appropriate Polycell filler - refer Surface Preparation, SP4 Crack Repair.
  - ^ Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed the following limits before painting:
    - o concrete, off-shutter, pre-cast : BD 4 scale - 5%
    - o cement plaster, brickwork, fibre-cement : BD 2 scale - 8%
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**APPLICATION:**

**Sealer Coat**

- ^ Apply a first coat, by brush, thinned three parts Plascon Dampseal (WDS 1) to one part mineral turpentine (AZH 1) allowing 24hours drying.

**Finishing Coat**

- ^ Apply a second coat unthinned by brush or roller at a spreading rate of 3.5 m<sup>2</sup>/ℓ. (The coating may be smoothed over with a trowel wetted with mineral turpentine to match smooth wall surfaces).
- ^ On exceptionally porous surfaces, a third coat may be necessary.

**On exceptionally damp walls:**

Apply the first coat in three stages:

- ^ To the bottom section of the wall and allow 24 hours to dry.
- ^ To the middle section of the wall and allow 24 hours to dry.
- ^ To the top section of the wall and allow 24 hours to dry.
- ^ The second coat may be applied unthinned.

**NOTE:**

- ^ Plascon Dampseal (WDS 1) may be overcoated with a Waterbased or Alkyd system. If overcoating with Alkyd, first prime the Plascon Dampseal (WDS 1) with Plascon Professional Gypsum and Plaster Primer (PP700).
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**TABLE REFERENCES:**

- ^ Technical Data Sheet (TDS): User must always ensure that latest issue is used.
- ^ B = Brush (ready for use), R = Roller (synthetic, min. 10mm pile) (ready for use), S = Airless spray (ready for use).
- ^ Theoretical spreading rate quoted is for smooth non-porous substrates and does not include allowance for surface profile, porosity, wastage and uneven film application. Suitable allowance should be made according to type of work, method and skill of applicator. Practical spreading rate quoted is an average guide only - actual must be determined by user.
- ^ Overcoating times are at 23 °C and 75 % relative humidity. Longer times must be allowed under cooler and moist conditions. DO NOT paint during inclement weather and when temperature is below 10 °C.
- ^ Fading and chalking will occur to a greater or lesser degree depending on pigmentation and generic binder type.
- ^ NB: Life expectancy may vary, depending on environmental conditions and stresses, within the macro/micro climate of the project.

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