

**NEW WORK/REPAINT:** NEW WORK – INTERIOR

**SUBSTRATE:** Masonry (Cement Plaster, Concrete, Off-Shutter, Pre-Cast, Unglazed Brickwork) and Fibre-Cement Board  
**Walls**

**PAINT FINISH:** Plascon Plascoguard Gehopon 3000 WB PRODUCT CODE: **GW 3000**  
 (Smooth finish – water based, tough waterbased epoxy, impact and stain resistant)

**COLOUR:** White and standard colours.

**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 12944-2:1998		Maintenance Cycle (Years)	
		Walls	Concrete Floors
C1 -	Inland	10	6
C3 -	Industrial	10	6
C5 -	Coastal / Marine	10	6

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</b> Plascon Plascoguard Gehopon 7 Sealer (GW 7)	B, R (mohair roller)	@ 18 μm Theo: 11.7 Prac: 5.7	WFT 71- 95 DFT 15-20	GP Epoxy Reducer (EPT 1)	12	GW 7	660
<b>1<sup>st</sup> Finishing Coat</b> Plascon Plascoguard Gehopon 3000 WB (GW 3000)	B, mohair roller	@ 60 μm Theo: 9.3 Prac: 6.2	WFT 71-143 DFT 40- 80	Water	24	GW 3000	< 35 white and colours
<b>2<sup>nd</sup> Finishing Coat</b> Plascon Plascoguard Gehopon 3000 WB (GW 3000)	B, mohair roller	@ 60 μm Theo: 9.3 Prac: 6.2	WFT 71-143 DFT 40- 80	Water	24	GW 3000	< 35 white and colours

**SURFACE PREPARATION:**

- ^ Ensure that surfaces are clean, dry and sound.
  - ^ Concrete must cure for minimum 28 days and cement plaster 14 days before painting.
  - ^ The concrete floor strength should be between 25 – 40 mPa
  - ^ 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 (GR 1), using high pressure water jet or scrubbing with brush or broom. Allow to dry completely.
  - ^ Remove laitance by high speed vacuum diamond grinding. Ensure that the surface is dust free.
  - ^ Remove any hollow concrete or plaster and repair with appropriate material.
  - ^ Soft/underbound plaster should be removed and replastered.
  - ^ Remove dirt and loose particles.
  - ^ 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, 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, Crack Repair.
  - ^ Expansion joints should be cut on concrete floors and filled with a flexible polyurethane sealant (Sika Pro Flex 3WF).
  - ^ Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed the following limits before painting:
    - concrete, off-shutter, pre-cast : B 4 scale – 5 %
    - cement plaster, brickwork, fibre-cement : B 2 scale – 8 %
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**APPLICATION:**

**Sealer Coat**

- ^ Mix the base and catalyst thoroughly before use. Apply one coat of Plascon Plascoguard Gehopon 7 Sealer (GW 7) by mohair roller at 5.7 m<sup>2</sup>/ℓ to achieve a continuous film. Allow 12 hours to dry. Any glossy patches should be sanded to a matt finish.

**Finishing Coats**

- ^ Apply two coats of Plascon Gehopon 3000 WB (GW 3000) by mohair roller, to achieve the specified practical spread rate, allowing a minimum of 24 hours drying between coats.
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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.

