

NEW WORK/REPAINT: NEW WORK – INTERIOR SQUASH COURT WALLS

SUBSTRATE: Masonry (Cement Plaster, Concrete)

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

PRODUCT CODE: GW 3000

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)

Front wall: 1
Side walls: 4

Plascon Coating System	Application Method	Spreading Rate m ² /ℓ	WFT/DFT μm (min & max)	Reducer/Cleaner	Overcoating time h @ 23 °C	Technical Data Sheet No	TVOC g/ℓ
Sealer Plascon Plascoguard Gehopon 7 Sealer (GW 7) Mixing ratio: 5:1 by mass	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
1st Finishing Coat Plascon Plascoguard Gehopon 3000 WB (GW 3000) Mixing ratio: 5:1 by mass	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
2nd Finishing Coat Plascon Plascoguard Gehopon 3000 WB (GW 3000) Mixing ratio: 5:1 by mass	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

SQUASH COURT PLASTER

Plastering

- ^ Cement should comply with SANS ENV 197 – 1 Type CEM I or CEM II A.
- ^ Sand properties should be produce a workable mortar with a 28 day cube strength min. 25 MPa with a mixture 2.5 parts dry sand to 1 part cement by mass. Water requirement >300ℓ/m².

Plastering System

- ^ A bonding coat
- ^ A single finish coat 12mm

Bonding Plaster

- ^ 1 part cement to 1½ parts coarse sand and water to make it pourable
- ^ Throw mixture onto wall using a long stiff bristle brush to form nodules 2-3 mm high. Material not to be worked, but damp cured for 5 days.

Finishing coat – Plaster

- ^ 125kg dry sand to 50kg cement or 110 litres sand in loose moist state to 1 bag cement.
- ^ Plaster thickness 12 -20 mm Moisture cure plaster for 7 days.

Joints

- No plaster joints within area of wall. Vertical joints should be provided at each corner to isolate plaster finishes on adjoining walls.

Table 1: Recommended grading of sand for squash court plaster

Sieve size ,mm	Percentage Passing
4,750	100
2,360	90 -100
1,180	60 -100
0,600	35 – 85
0,300	25 – 35
0,150	10 – 20
0,075	4 – 7

- ^ Ensure that surfaces are dry, sound and clean.
- ^ Concrete must cure for minimum 28 days and cement plaster 14 days before painting.
- ^ Remove dirt and loose particles.
- Remove any oil, grease and other contaminants with Plascon Metalcare 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 Metalcare 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.
- Moisture content measured with a Doser Hygrometer (or equivalent) must not exceed the following limits before painting:
 - concrete, off-shutter, pre-cast : BD 4 scale - 5%
 - cement plaster, brickwork, fibre-cement : BD 2 scale - 8%

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 m²/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.

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