

## Two-component polysulphide joint sealant

### PRODUCT

**weber seal PS 1000 GG/PG** is a two part polysulphide high grade sealant rubber like , with an outstanding resistance to deterioration due to weathering, ozone, ultra-violet exposure and chemical attack .It has the ability to withstand repeated cycles of compression and expansion over a wide temperature range, and has excellent adhesion properties to all materials commonly used in building and construction work.

**weber seal PS 1000 GG/PG** two part polysulphide can be supplied in pouring and gun grade for sealing horizontal and vertical joints where structures are subject to high rapid movement and where the performance specification is highly rigorous .It has an excellent stain resistance and is non-toxic once cured.

### SCOPE OF USE

It is ideal for uses in expansion joints in reinforced concrete structures such as bridges, reservoirs, water treatment works, sea walls, roads and subways ..etc.

it can also be used in floor subject to heavy usage where a high resistance to damage is required. Grey color is available (white, black and other upon request).

### CHARACTERISTICS

Appearance	Thixotropic paste, rubber like solid when cured
Colour	Grey, other colors upon request
Solid content %	100
Specific Gravity	1.55-1.65
Full cure time	7 days at 25 °C
Pot Life	2 hrs at 25 °C
Tack free	within 24 hrs at 25 °C
Hardness shore A	20 - 25 at 25 °C
Movement Accommodation Factor (MAF)	± 25 %
Resistance to Fuels solvents and oil	Good

### APPLICABLE STANDARD

- **weber seal PS 1000 GG/PG** two part polysulphide sealant conforms to BS4254:1983 and complies with ISO 11600.
- **weber seal PS 1000 GG** complies with ASTM C-920, Type M, grade NS, class 25.
- **weber seal PS 1000 PG** complies with ASTM C-920, Type M, grade P, class 25, use T.



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
4 lit	4 lit	4 lit	4 lit	4 lit	4 lit	4 lit	4 lit

\*2.5 L available for weber seal PS 1000 GG

### INSTRUCTIONS FOR USE

#### JOINT SIZE

Joint size may range from a minimum of 5 mm to a maximum of 50 mm wide. Joints with cyclic movements should have a width: depth ratio of 2:1 and designed so as total movement does not exceed the 25% MAF related to the joint width. Sealant depth shall not exceed joint width.

Minimum sealant depth recommended:

- 5 mm for metals, glass and other impervious surfaces.
- 10 mm for all porous surfaces.
- 20 mm for joints exposed to traffic and hydrostatic pressure

#### JOINTS PREPARATION

SURFACE	TREATMENTS
Concrete & masonry	Surfaces must be clean and dry. Wire brush thoroughly and remove dust and all contaminants
Metals	Remove any corrosion or mill scale by grit or shot blast, wire brush, grinder or chemical remover. Degrease the surfaces with clean cloths soaked in oil-free cleaning solvent.
Wood (bare)	Wood surfaces must be clean and dry. Cut back or abrade where necessary to sound timber.

SURFACE	TREATMENTS
Glass and glazed materials	Thoroughly clean the surfaces with clean cloths soaked in oil-free cleaning solvent.
Coated surfaces	Where feasible, coatings should be removed and the surfaces treated as above.

- Where required, masking tape and bond breaker should be applied before priming.

### PRIMING

- The correct primer must always be used

SURFACE	weber seal prime PS 2
Porous surfaces (such as concrete & masonry)	x
Non-porous surfaces (such as metals, glass and glazed surfaces)	x
Oil-resistance applications	x

- Application of primer should not be carried out below 4°C
- A single coat of primer should be applied by brush or roller. The primer must be allowed to dry for a minimum period of one hour before applying **weber seal PS 1000 GG/PG**.
- **weber seal PS 1000 GG/PG** should be applied within 2h of priming, otherwise re-priming will be necessary.

### APPLICATION TEMPERATURE

- **weber seal PS 1000 GG/PG** should only be applied when the ambient temperature is between 5 °C (40 °F) and 50 °C (122 °F)
- When the temperature is below 10 °C (50 °F) storage at 21 °C (70 °F) for several hours will ease mixing and application.

### MIXING weber seal PS 1000 GG/PG

- Mix and use one complete unit at a time - do not part mix
  - **weber seal PS 1000 GG/PG** is supplied in two part, in separate tins with the curing agent contained in a smaller tube.
  - Mix for 5 - 10 minutes at a slow speed using a paddle fitted to a 500 RPM electric drill, moving the paddle completely through the mass of the material. The sides and base of the container should be periodically scraped down with a palette knife to ensure all of the curing agent is completely blended with the base compound.
  - Failure to complete disperse curing agent throughout the base compound will result in uncured sealant.
- weber seal PS 1000 GG/PG** should be used immediately once mixed.

### APPLICATION

- **weber seal PS 1000 GG/PG** is designed to be applied using a sealant gun, but can be applied by trowel if required
- Sealant guns are fitted with conical nozzles which can be cut to suit the joint width
- The sealant should be gunned into the joint using an even trigger pressure, cleaning the nozzle occasionally to avoid contamination. Deep joints should be filled in two or more runs, to prevent air entrapment.
- Once the sealant has been applied, a small timber spatula, soaked in a soapy water, should be used to compact the sealant into the joints and to tool off to achieve a smooth polished finish. Any masking tape which has been applied should be removed before the sealant cure.
- Mixing and application equipment should be cleaned immediately with tool cleaner, using rubber gloves to avoid direct contact with skin.

### OPERATING TEMPERATURE

-20 °C to +90 °C

### COVERAGE

**weber seal prime PS2** - approx. 100 m run at 15 mm deep per 250 ml.

**weber seal PS 1000 GG/PG** two part polysulphide - length of joint, in metres, filled per 1 litre of material.

Depth of joint mm	Width of joint mm				
	10	15	20	25	30
10	10	6.7	5		
15	6.7	4.4	3.3	2.6	2.2
20	5	3.3	2.5	2.0	1.67
25		2.6	2.0	1.6	1.3

### STORAGE

The storage life is approximately 12 months, the material should be stored in the original sealed containers. Storage temperature should range between 5 °C and 25 °C.

### SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapour. If mixed resins comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapour inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case

of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

## DISCLAIMER

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