

# Servijoint® One

One-part high modulus polyurethane sealant/adhesive suitable for membrane terminations, joints in building facades and potable water retaining structures.

## Advantages

- Damage resistant.
- Easy application - no mixing, smooth tooling, low gunning force.
- Excellent adhesion - to most building substrates using appropriate primer.
- Fast curing.
- Resistant to biodegradation.
- Ozone resistant.

## Applications

- Membrane terminations.
- Joints in building facades.
- Potable water structures.
- Sewage treatment works.
- Concrete factory floors.
- Culverts.
- Sea defence works.
- Spillways.

## Description

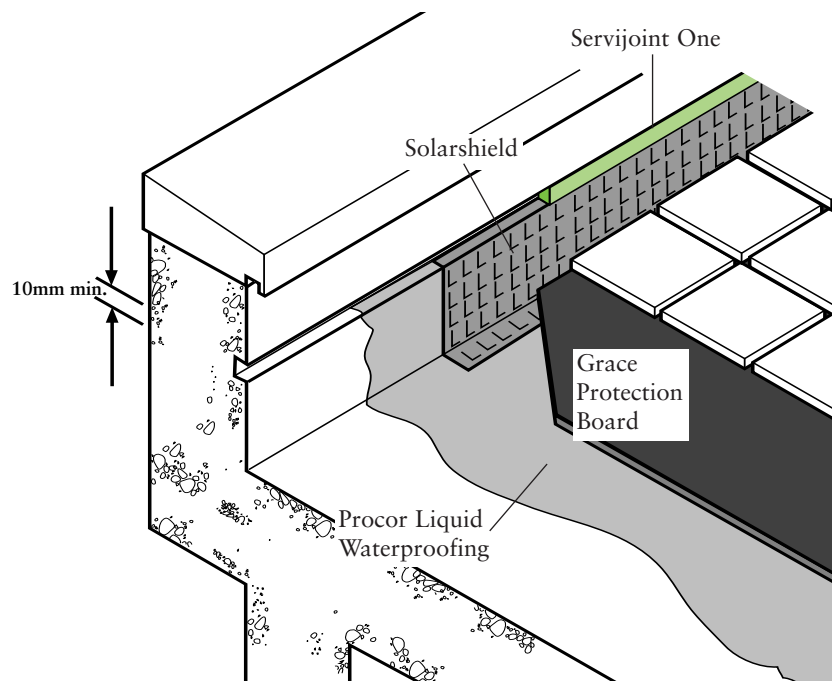
Servijoint One is a multi purpose, one part, grey, polyurethane sealant/adhesive. Supplied in 310 ml aluminium cartridges, which can be used with standard open sided sealant guns.

The sealant is high modulus with good durability, and damage resistance.

Ideally suited to sealing joints in building facades and potable water containing structures, Servijoint One has been tested and listed under the Water Bylaws Scheme.

## Limitations

For vertical joints wider than 20mm use Vertiseal CE.



Typical Membrane Termination

## Supply

Servijoint® One	310 ml aluminium cartridge
Packaging	12 cartridges per carton
Primer PU	1 litre can - Average coverage 12 m <sup>2</sup>
Storage	Store in original containers in dry conditions between +5°C and +30°C
Shelf life	12 months

Coverage (for estimating purposes only. No allowance for wastage, etc.)

Use the following formula:

$$\frac{\text{cross sectional area of joint (mm)} \times \text{length (m)}}{310} = \text{No. of cartridges}$$

### Ancillary Materials

Filler Boards Aerofil® in various thicknesses.

### Equipment and Materials by Others

Wire brush, palette knife, tool cleaner, masking tape, bond breaker tape, paint brush for priming.

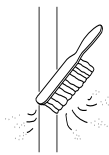
### Performance

Colour	Grey
Curing Period	3mm per 24 hours @ 23°C 50% RH. Allow 3-7 days before immersion in any liquid dependent on joint size and temperature.
Operating Temperatures	-40°C to +90°C
Installation Temperatures	+5°C to +35°C
Recommended Movement	Transverse ± 10% (Based on a joint width to depth ratio of 1.5:1)
Movement accommodation factor	20%
Shore A Hardness	40 - 45
Tack Free Time	30 - 60 minutes @ 23°C, 50% RH
Resistance to Water	Excellent (when cured)
Chemical Resistance	Weak acids and alkalis
Specification Compliance	UK WBS Listed, BS 6920

### Preparation

#### Joint Preparation

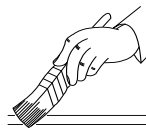
Ensure that all surfaces are of sound material, dry, free of residual joint filler boards, slot formers, loose material or mould release agents. Wire brush thoroughly and remove dust and all contaminants. Position bond breaker tape where required over filler board.



#### Priming

Do not prime surfaces when temperature is below +5°C. Use Primer PU for porous surfaces. Drying time between 45 minutes and 2 hours.

Using an appropriate size paint brush, work thoroughly into surfaces and brush out to ensure complete coverage with a full bodied coat.



#### Application

Ensure that primed substrates are dry. Use an appropriate gun to extrude the sealant into the base of the joint and ensure that complete contact is made with the sides. Care should be taken to avoid trapping air within the sealant. Select a tool to suit the width of the joint and wet it with clean water containing a

little detergent. Working upwards in the case of vertical joints, lightly compact the sealant into the joints.

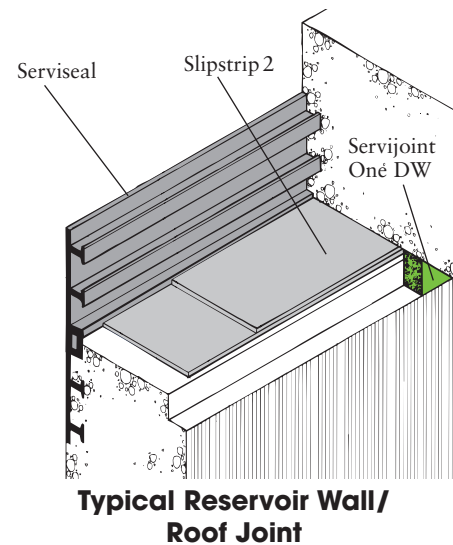
Where Servijoint One is subject to attrition it should be recessed 3mm below the wearing surface to minimise the effect from wear and debris.

### Health And Safety

For Servijoint One and Primer PU read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at [www.graceconstruction.com](http://www.graceconstruction.com). There is no legal requirement for a Material Safety Data Sheet for Filler Boards. For health and safety questions on this products please contact Grace Construction Products Limited.

### Specification Clause

Servijoint® One sealant and Primer PU shall be used strictly in accordance with the manufacturer's instructions and supplied by Grace Construction Products Limited, Ajax Avenue, Slough, Berkshire, SL1 4BH, United Kingdom.  
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Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact Grace Technical Services

 Visit our web site at [www.graceconstruction.com](http://www.graceconstruction.com)

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