

Servijoint® One DW

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

Advantages

- UK WBS listed - approved for use in potable water, does not support bacterial growth.
- 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

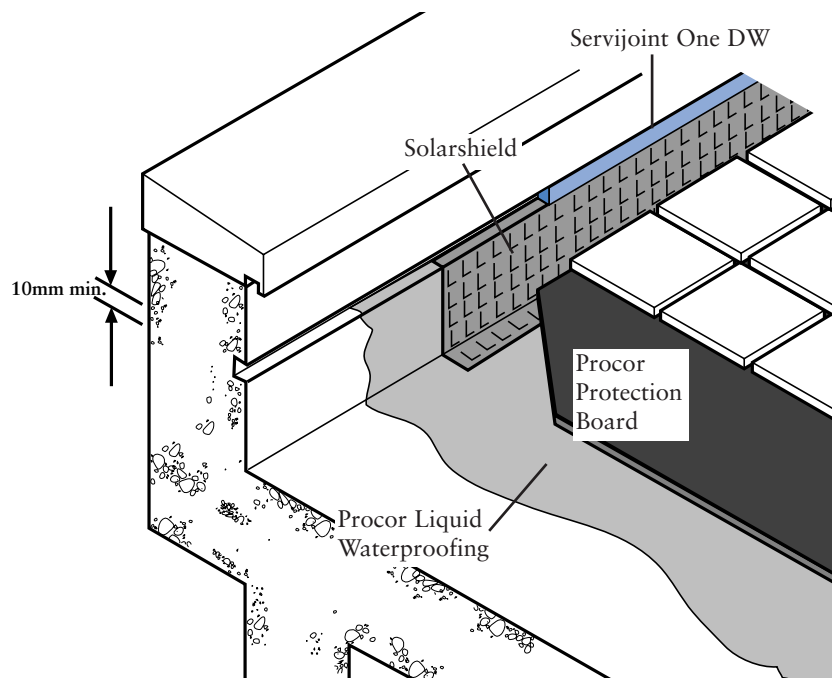
Servijoint One DW is a multi purpose, one part, grey, polyurethane sealant/adhesive. Supplied in 310ml aluminium cartridges, which can be used with standard open sided sealant guns.

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 DW has been tested and listed under the Water Bylaws Scheme.

Limitations

For vertical joints wider than 20mm use Vertiseal CE DW.



Typical Membrane Termination

Supply

Servijoint® One DW	310 ml aluminium cartridge
Packaging	12 cartridges per carton
Primer PU	1 litre can - Average coverage 12 m ²
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:

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

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.

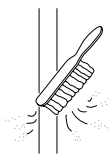
Performance

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 Accomodation 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

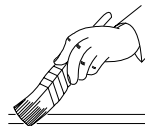
Ensure that all surfaces are of sound material, dry, free of residual joint filler boards, slot formers, loose material or mould release agents. Wire brush thoroughly and remove dust and all contaminants. Position bond breaker tape where required over filler board.



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

Health And Safety

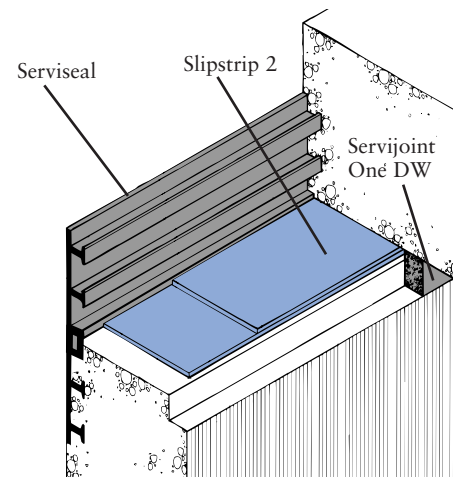
For Servijoint One DW and Primer PU read the product label and Material Safety Data Sheet (MSDS) before use. Users must comply with all risk and safety phrases. MSDS's can be obtained from Grace Construction Products or from our web site at

www.graceconstruction.com.

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 DW 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.
Tel: +44 (0)1753 692929.
Fax: +44 (0)1753 691623.



**Typical Reservoir Wall/
Roof Joint**

Details shown are typical illustrations only and not working drawings. For assistance with working drawings and additional technical advice please contact Grace Technical Services

web Visit our web site at www.graceconstruction.com

Grace Construction Products Ltd Ajax Avenue Slough Berkshire SL1 4BH United Kingdom Tel +44 (0)1753 692929 Fax +44 (0)1753 691623

Adcor, Aerofil, Bituthene, Hydroduct, Insupak, Korkpak, Paraflex, Paraseal, Preprufe, Procor, Serviced, Servidek, Servigard, Servijoint, Servimastic, Servipak, Servirufe, Serviseal, Servistrip, Servitite, Vertigard and Vertiseal are registered trademarks of W R Grace & Co.-Conn. Armourtape, Bitushield, Bitustik, Bitutape, Hydropaste, Pak Adhesive, PVC Edgetie, Serviband, Serviflex, Servitape, Slipstrip, and Solarshield are trademarks of W R Grace & Co.-Conn.

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale including those limiting warranties and remedies which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would violate or infringe statutory obligations or any rights belonging to a third party.

Copyright 2004. Grace Construction Products Limited.

Printed in England - 09.04- Ref. SC008C

GRACE
Construction Products