

Servijoint® Two

Specially formulated, oil and fuel resistant, two-part, pouring grade polyurethane sealing compound for trafficked movement joints in concrete pavements.

Advantages

- Excellent chemical resistance - resists spillage of oil, petrol, diesel, aviation fuels and hydraulic fluids.
- Simple application - easy to mix, self levelling.
- Specification compliance - BS 5212: 1990 parts F,N & FB and HA. Specification for Highway Works Vol 1:1017/IV.
- Elastomeric - 25% movement accommodation factor to allow for structural movement.
- Fast cure - trafficable in 24 hours at 20°C.

Description

Servijoint® Two is a chemically curing pitch free polyurethane sealant which is specially formulated to provide a durable seal for movement joints in concrete subject to contamination by oil and fuel spillage.

Servijoint Two should be recessed 5mm below the surface to minimise the effect from wear and debris.

It is specifically designed for joints in concrete roads, hardstandings, runways, filling stations and industrial production areas.

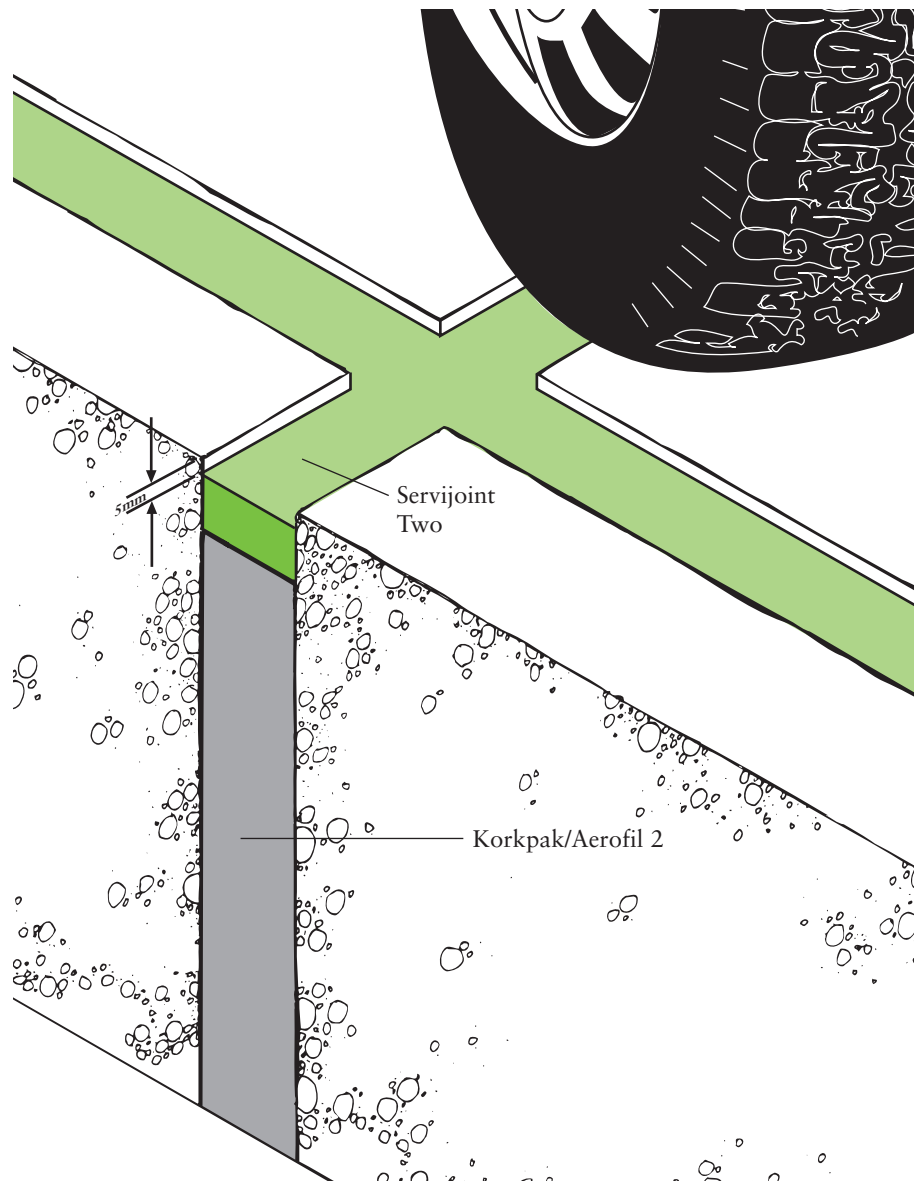
Advantages

Movement joints in:

- Runways
- Concrete roads
- Hardstandings
- Industrial floors
- Filling stations

Limitation

Servijoint Two is not suitable for adhesion to bitumen surfaces such as hot rolled asphalt.



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

Supply

Servijoint® Two	5.0 litre unit (Part A and B)
Packaging	2 per carton
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.)

The number of units can be calculated by using the formula

$$\frac{\text{cross section of joint (mm}^2\text{) x length (m)}}{5000} = \text{no. of units of Servijoint Two required}$$

Ancillary Products

Primer PU 1 litre can, average coverage 10 m²

Complementary Materials

Filler Boards Aerofil® 2, Korkpak® in various thicknesses.

Equipment by Grace

LB Paddle	Unit
Solid Barrel Gun	Unit
Plastic Nozzle	Unit, cut to size

Equipment and Materials by Others

Wire brush, heavy duty 500 r.p.m. electric drill, palette knife, masking tape, bond breaker tape, tool cleaner, paint brush for priming.

Performance

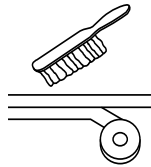
Colour	Grey
Operating Temperature	-20°C to +70°C
Installation Temperature	+5°C to +35°C
Recommended Movement	Transverse ± 12.5% (Based on a joint width to depth ratio of 1.5:1)
Shore A Hardness	10-20
Movement accommodation factor	25%
Pot Life at 23°C	30 mins
UV Resistance	Excellent

Installation

When air temperature is below +10°C, store containers for several hours at +21°C to ease mixing and application.

Joint Preparation

Ensure that all surfaces are clean, dry and free from residual joint fillers, slot formers, loose aggregate, paint, corrosion, oils, grease, concrete curing agents or mould release agents.



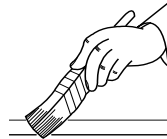
Where required, masking tape and bond breaker tape should be applied before priming.

Priming

Use Primer PU for porous substrates.

Application of Primer PU should not be carried out below +5°C.

A single coat of Primer should be applied using a paint brush, working the Primer well into the surface and ensuring complete coverage. Brush the Primer out well to avoid a thick coating.



Apply sealant after one hour but not later than 24 hours - refer to instructions on Primer cans.

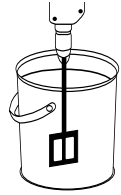
Mixing

Mix and use one complete unit at a time

Using a palette knife, transfer all of the curing agent into the base compound.

Thoroughly mix for 5-8 minutes at 500 rpm with a LB (long bladed) Paddle, moving the paddle through the mass of the material.

Periodically scrape down the sides and base of the container with a palette knife to make sure all of the curing agent is thoroughly blended with the base compound. Use immediately once mixed.



Application

Crush the top of the container to form a spout and pour the sealant directly into primed joints.

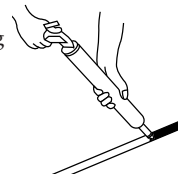
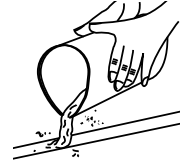
Mixed sealant may also be poured into a Solid Barrel Gun and gunned into joints.

Joints over 20mm deep should be filled in two passes to avoid air entrapment.

Compact sealant into joint with a wet wooden spatula and smooth off to the desired finish.

Remove any masking tape immediately after applying Servijoint Two.

Use proprietary tool cleaner to clean equipment.



Curing

Servijoint Two will fully cure in 4-5 days and is trafficable in 24 hours at 20°C.

Health And Safety

For Servijoint Two 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 the Follower Plate, Solid Barrel Gun, Plastic Nozzle or Filler Boards. For health and safety questions on this products please contact Grace Construction Products Ltd.

NBS Specification Clause

Refer to Clause E40 530.

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