

J-SEAL

PVC JOINT SEAL

PRODUCT DESCRIPTION

CORKJOINT J-Seal is a pre-formed pvc joint seal for use in expansion and construction joints in concrete. It has also been designed for use as a water stop (for minor hydrostatic head pressure) to prevent the egress of water through the joint and to seal against the infiltration of debris and foreign matter from entering into the joint.

ADVANTAGES

- Non-absorbent
- Simple & easy to install
- Competitively priced against traditional joint sealing compounds
- Provides a permanent & flexible seal at the surface of the concrete and inside the concrete joint
- Acts similar to a waterstop and can be fully submerged in water
- Does not work free from the joint, even when the joint is subject to expansion and contraction movements
- Can handle a wide range of movement
- UV resistant PVC & has excellent abrasion resistance
- Available in standard concrete grey colour. Other colours available to match the colour of the substrate surface
- Creates an aesthetically pleasing joint
- Compatible with all different types of expansion joint fillerboards
- Resistant to many chemicals. Consult CORKJOINT for environment suitability
- Installs at a wide range of temperature and climatic conditions
- Factory made intersections are available for joint areas that intersect or transect each other
- Ability to be used in areas where curves or radius joint positioning is required
- Can be used in conjunction with other waterstop systems as added benefit/protection to the structure and to the system

NOTE: Consult CORKJOINT for product recommendation and suitability

PRODUCT APPLICATIONS

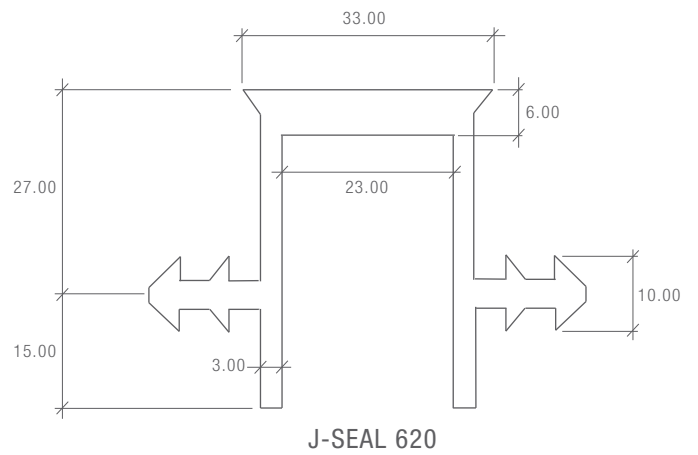
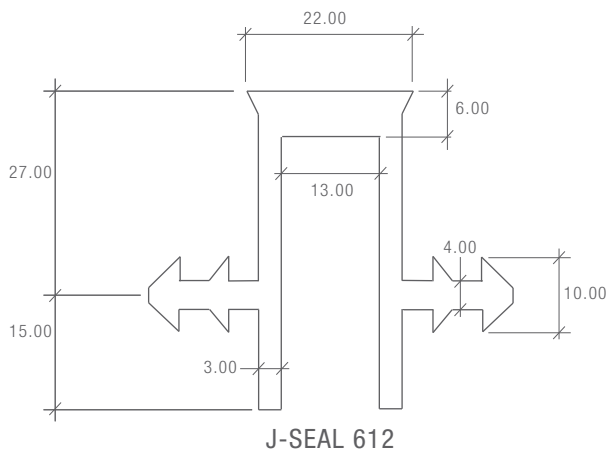
- For expansion & construction joints in concrete
- Slab on ground and roof slab joints
- Connection of slab to wall (podium deck area) locations
- Concrete pathways or walkways
- Carparks, driveways, tunnels and concrete roads
- Reservoirs, dams, water treatment plants & sewage treatment plants

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Tensile strength MPA	BA 903: Part A2: 1995	12.9
Elongation at Break, %	BA 903: Part A2: 1995	320
Hardness, IRHD	BA 903: Part A26: 1995	78
Density, g/cm ³	BA 903: Part A1: 1996	1.41
Loss of Mass after 7 days / 80°C*, %	LGM in-house method	0
Immersion in Distilled Water, 24h / 23°C	MS ISO 1817: 2002	0
Volume Change, %		

NOTE: From internal certificate of analysis (COA)

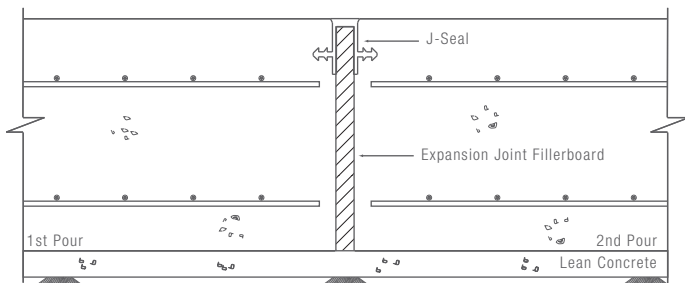
PRODUCT DIMENSIONS



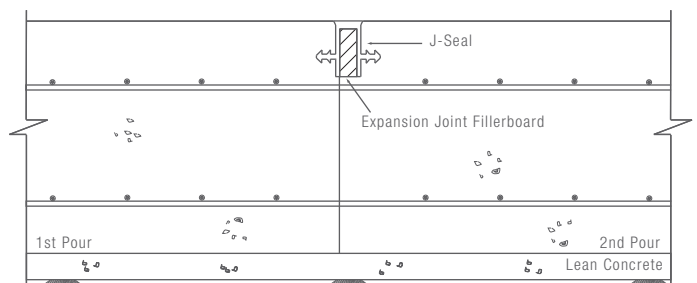
PACKAGING

3 metre length or 10 metre roll. Special lengths and intersections are available upon request.

TYPICAL APPLICATIONS



SLAB ON GROUND (EXPANSION JOINT)



SLAB ON GROUND (CONSTRUCTION JOINT)

NOTE: Contact CORKJOINT for custom application requirements.



DESIGN PARAMETERS

- J-Seal must be installed to CORKJOINT's recommended Installation Procedures as stated on Page 3.
- J-Seal can be used in conjunction with other waterstop systems as added benefit/protection to the structure and to the other system. Consult CORKJOINT for their product recommendations and suitability.
- J-Seal must be heat welded together at butt and intersection joints. Upon request, CORKJOINT is able to train and provide the specialized welding equipment to perform this procedure.
- J-Seal should not be used in heavy trafficable, high-abrasive or high impact conditions. Consult CORKJOINT for condition or location suitability.
- J-Seal 612 for use in a 10mm to 15mm wide expansion joint and J-Seal 620 for use in a 20mm to 25mm wide expansion joint.

Note: Proposal, specification, design and end use of this product must be fully endorsed and approved by the Design Engineer.

WRITTEN SPECIFICATIONS

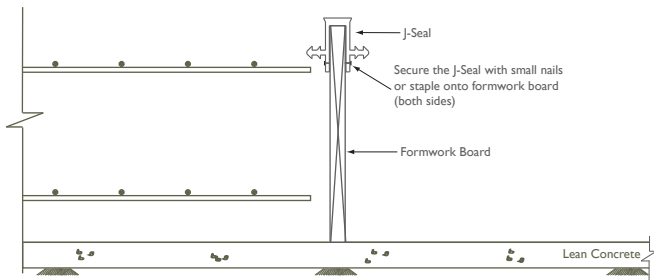
Pre-formed Joint Seal shall be J-Seal (write style no.) as supplied by CORKJOINT with dimensions, shape and material properties as illustrated/mentioned in their brochure. All installation and joining procedures must be in accordance to CORKJOINT's recommendations and requirements.

INSTALLATION PROCEDURES

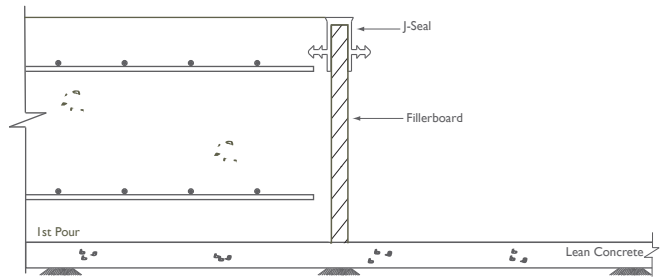
1. Formwork is to be placed into position where the joint is to be placed. The top of the formwork should be 6mm below the surface of where the top of the concrete is to finish.
2. J-Seal is placed over the top of the formwork and is secured in position by small tack nails or staples placed along the lower section of the seal (below the fin) into the formwork. Both sides are to be tacked and secured.
3. The 1st pour of concrete is ready for placement. Care should be taken that the concrete is fully vibrated around the fins of the J-Seal to achieve full integration of the fin into the concrete. Once the 1st pour has cured, carefully remove formwork from out of the J-Seal.
4. Cut expansion joint fillerboard to the full face height of the joint and firmly insert and fit it inside the J-Seal. A high quality expansion joint fillerboard should be used and recommended is CORKJOINT's Jointflex or CORKJOINT's Cork Fillerboard. Width of the fillerboard to be the same width as the J-Seal or similar.
5. Insert expansion joint fillerboard fully into the J-Seal and adhere the fillerboard onto the face of the 1st concrete pour. Placement of the 2nd pour can now take place. Again, care should be taken that the concrete is fully vibrated around the fin of the J-Seal to achieve full integration of the fin into the concrete.
6. If J-Seal is to be used for a construction joint, then an expansion joint fillerboard is not needed to be positioned on the face of the joint. A small piece of expansion joint fillerboard will need to be placed inside the J-Seal to the width and depth of it. The 2nd pour of concrete can then be poured against the face of the 1st pour.
7. If joints intersect or transect, use factory made intersection pieces. Straight butt joints must be heat welded together using CORKJOINT's specialized welding equipment. Installation training and welding equipment are available upon request.

NOTE: For full installation method guidelines, please also refer to our J-Seal Installation Method Guideline data sheet.

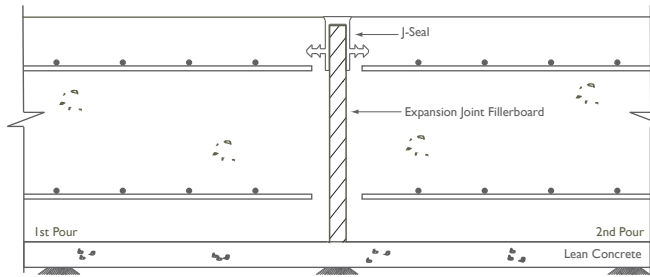
(continues over)



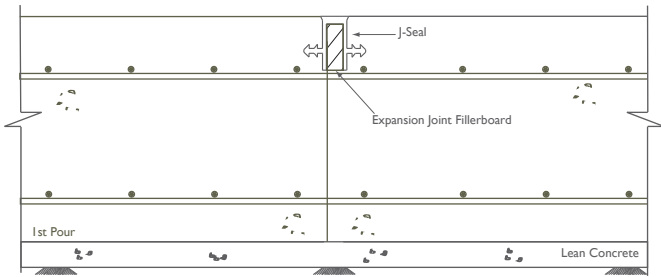
A. Expansion Joint Detail. Place J-Seal on top of formwork and secure with small staples or nails. Leave head of nail protruding for easy removal. Place 1st pour of concrete into position and flush to the top of J-Seal.



B. Once concrete is dry, remove the formboard and place expansion joint fillerboard in to J-Seal and against the face of the 1st pour of concrete. The application is now ready for the 2nd pour to take place.



C. Place 2nd pour of concrete against the expansion joint fillerboard flush to the top of J-Seal.



D. Construction Joint Detail. Once formwork is removed, place fillerboard inside the J-Seal, flush to the bottom of J-Seal. Pour 2nd pour of concrete against 1st pour and the J-Seal. Both pours of concrete to finish flush to the top of J-Seal.

Note: Fillerboard used in construction joint and expansion joint details must be Jointflex (Closed Cell Polyethylene) or Corkjoint Cork Fillerboard due to their quality and durability performance.

SITE JOINING

CORKJOINT recommends the use of its specialized welding equipment for on-site welding which consists of thermostatically-controlled welding blades and special welding jigs (each type of CORKJOINT J-Seal PVC Joint Seal requires its own welding jig to suit the particular shape). On-site joining is a simple exercise using CORKJOINT Heat Welding Equipment comprising of an adjustable welding jig and heating blade. The ends of the waterstop are cut square and placed into the adjustable jig. The ends of the waterstop then slide up against the heating blade and bring the two ends together until the molten ends of the PVC fuse. When ordering welding equipment, please advise profile number of waterstop required.

HEALTH AND SAFETY INFORMATION

Joining of J-Seal is performed by heat welding which results in the discharge of hydrogen chloride mist and vapour. In confined spaces or in still air conditions, the use of a ventilation fan or a suitable respirator should be adopted. For further information or advice on health and safety precautions, safe handling, storage and correct disposal of products, please refer to the most recent product Material Safety Data Sheet (MSDS), which is available upon request.

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and / or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and / or oral recommendations, or from any other advice offered by the Company. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from the recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in this brochure may change at any time without notice.

Effective Date: 01 January 2014

CORKJOINT (MALAYSIA) SDN BHD 383102-H
No.51, Jalan BRP 8/2, Bukit Rahman Putra Industrial Park
47000 Sungai Buloh, Selangor Darul Ehsan, Malaysia
Tel +603 6148 8010
Fax +603 6148 8020

CORKJOINT (SINGAPORE) PTE LTD 200716724-K
10, Admiralty Street, #03-82 North Link Building
Singapore 757695
Tel +65 6455 9331
Fax +65 6455 8535



info@corkjoint.com
www.corkjoint.com

© Corkjoint 2012. All Rights Reserved.