

## SUPERSEAL CJ-400

CHEMICAL RESISTANT BUTYL  
WATERSTOP SEAL



### PRODUCT DESCRIPTION

**CORKJOINT Superseal CJ-400** is a specially formulated chemical & hydrocarbon resistant butyl waterstop seal for use in construction joints (non-moving joints) where a permanent flexible watertight seal is required.

**Superseal CJ-400's** unique sealing compound acts as a sealing gasket to seal joints in concrete against the egress of liquids.

**Superseal CJ-400** is ideal for use in horizontal and vertical construction joints for cast in-situ concrete structures.



### ADVANTAGES

- Fuel & Oil Resistant Waterstop Seal (refer to Chemical Resistance Data on Page 2).
- Excellent adhesion and conformation to the joint surface.
- Provides a permanent, flexible gasket seal inside the concrete joint.
- Bonds to most types of surfaces including concrete, fiberglass, metal, plastic and aluminium. (Refer to **CORKJOINT's** Installation Parameters).
- Able to resist rain/wet conditions prior to the 2nd pour taking place.
- Sealed joints will not shrink, harden or oxide upon ageing.
- Low to high temperature workability: -7°C to +48°C
- Rugged service temperature: -34°C to +93°C
- Can be used in conjunction with other waterstop systems as added benefit/protection to the structure and to the system. Consult **CORKJOINT** for their product recommendations and suitability.



### AREAS OF APPLICATION

For all types of Construction Joints in concrete or Non-Moving Joints in pre-cast elements where a chemical & hydrocarbon resistant waterstop seal is required. Refer to **CORKJOINT** for application suitability.

- Petrochemical Plants
- Chemical Plants
- Fuel Storage Containment
- Refineries
- Vehicle Depots & Maintenance Yards
- Pharmaceutical Plants
- Waste Water Treatment Plants
- Sewage Treatment Plants

*Note: The products design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.*

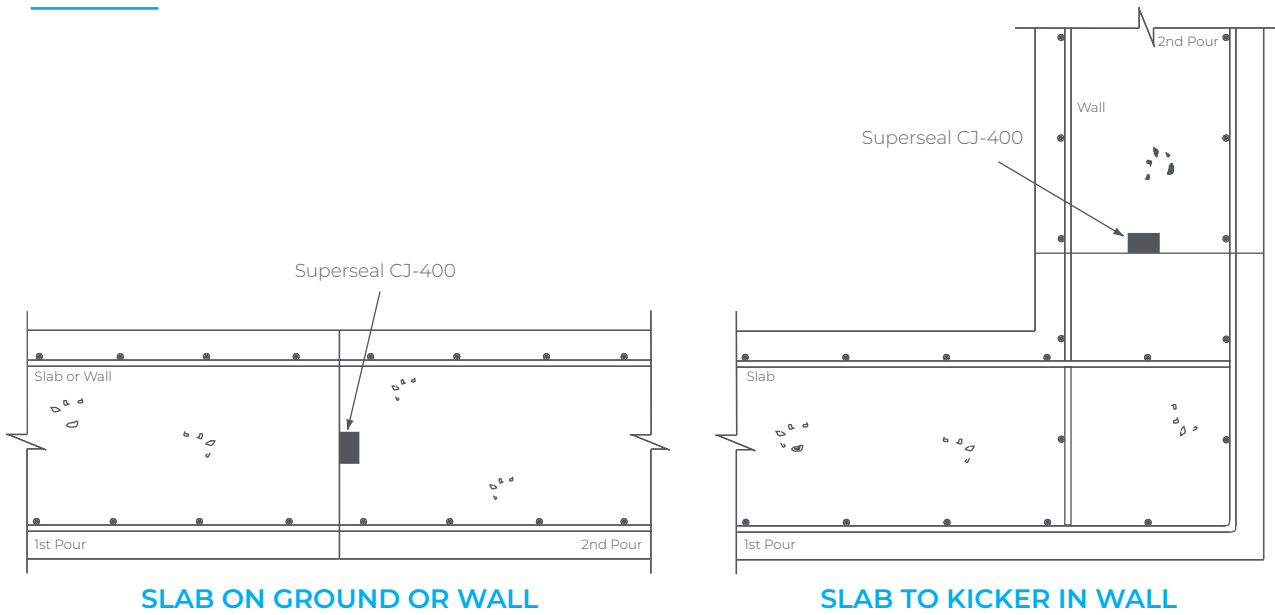


## PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Material Type	N/A	Butyl
Colour	N/A	Grey
Specific Gravity, 38°C	ASTM D71	1.40 - 1.45
Ductility, 38°C	ASTM D113	15.0
Softening point, ring and ball °C	ASTM D36	117°C
Penetration, Cone 38°C, 150gsm, 5 sec.	ASTM D217	60 - 70mm
Flash Point, C.O.C., °C	ASTM D92	148°C min
Percent Solids	N/A	99%



## TYPICAL APPLICATIONS



## CHEMICAL RESISTANCE DATA

MATERIAL	CONCENTRATION	RESULT	RECOMMENDATION
Gasoline	100%	No Degradation	Recommended
Jet-A Fuel	100%	No Degradation	Recommended
JP-4 Fuel	100%	No Degradation	Recommended
JP-8 Fuel	100%	No Degradation	Recommended
Kerosene	100%	No Degradation	Recommended
Motor Oil	100%	No Degradation	Recommended
Transmission Fluid	100%	No Degradation	Recommended
Brake Fluid	100%	Some Swelling	Limited Exposure Conditions
Cooking Oil	100%	No Degradation	Recommended
Mineral Spirits	100%	No Degradation	Recommended
Methyl Ethyl Ketone	100%	Swelling, Cracking	Do Not Use
Toluene	100%	Swelling, Cracking	Do Not Use
Trichloroethane	100%	Swelling, Cracking	Do Not Use
Alcohol	100%	No Degradation	Recommended





## CHEMICAL RESISTANCE DATA (continued)

MATERIAL	CONCENTRATION	RESULT	RECOMMENDATION
Anti-Freeze	100%	No Degradation	Recommended
Runway De-Icers	100%	No Degradation	Recommended
Cleaning Detergents	100%	No Degradation	Recommended
Insecticides	100%	No Degradation	Recommended
Fertilizers	100%	No Degradation	Recommended
Acrylic Acid, Glacial	100%	Swelling, Cracking	Do Not Use



## DESIGN PARAMETERS

- Superseal CJ-400** must be installed in construction joints (non-moving joints) only. It cannot be used in expansion or isolation joints (moving joints).
- Superseal CJ-400** must be installed to **CORKJOINT**'s recommended Installation Parameters as stated below.
- Superseal CJ-400** can be used in conjunction with other waterstop systems as added benefit / protection to the structure and to the other system. Consult **CORKJOINT** for product suitability.

*Note: The products design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.*



## INSTALLATION PROCEDURES

**Superseal CJ-400** requires a minimum 50mm cover of concrete from the outside edge.

- Brush off any dust or debris from the surface where the **Superseal CJ-400** is to be applied. Brush a coat of CJ-100 Adhesive 30mm wide onto the concrete surface and one coat to the surface of the **Superseal CJ-400**.
- Once both surfaces where the adhesive was applied are touch dry, with the use of your thumbs or heel of your hand, firmly press a continuous bead of **Superseal CJ-400** into position, making sure you achieve full contact with the adhesive on the concrete surface. Do not stretch the **Superseal CJ-400** when applying it into position.
- Use a neat, firm butt joint to join **Superseal CJ-400** together and then knead the ends together to form a continuous uninterrupted gasket. This type of join is used for continuous placement of **Superseal CJ-400** and for any intersection joints.
- Check to see that the **Superseal CJ-400** has totally adhered to the concrete surface. If the surface is rough or irregular, you may need to use a firmer hand pressure to make sure that the **Superseal CJ-400** has full contact with the surface. There must be no visible gaps under the **Superseal CJ-400** after installation.
- The protective paper layer cover on the **Superseal CJ-400** can be removed any time prior to the second pour of concrete taking place.
- Placement of the second pour of concrete can be applied once the CJ-100 Adhesive has dried. Upon pouring, make sure the concrete is properly compacted and vibrated around the **Superseal CJ-400**.
- For vertical construction joints and overhead applications, it may be necessary to also secure the **Superseal CJ-400** with nails, placed approximately every 250mm apart. This is usually only required as extra security if you need to pour your concrete prior to the CJ-100 Adhesive drying completely.





## INSTALLATION PROCEDURES (continued)



### STEP 1:

**Superseal CJ-400** is to be adhered to the 1st pour of concrete with Corkjoint's CJ-100 Adhesive. A clean, dry surface free from dust, debris, etc, is required. Apply one application of adhesive onto the concrete surface and one application onto one side of the **Superseal CJ-400**.



### STEP 2:

Once both surfaces are touch dry, lay the **Superseal CJ-400** into position and push firmly down with your fingers. If the surface is rough then you may need to use a firmer hand pressure to make sure that the product has full contact with the surface of the concrete.



## PACKAGING & DIMENSIONS

Superseal CJ-400  
CJ-100 Adhesive  
CJ-100 Adhesive coverage (approx.)

25mm x 19mm x 5m rolls (6 rolls per carton)  
1 litre tin & 3.6 litre tin  
20 - 30m per 1 litre



## WRITTEN SPECIFICATION

Chemical resistant waterstop seal shall be **Superseal CJ-400** 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.



## HEALTH AND SAFETY INFORMATION

In confined spaces or in still air conditions, the use of a ventilation fan or suitable respirator should be used, and the advice and approval of the site Safety Supervisor is essential. 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 Safety Data Sheet (SDS), which is available upon request.





## DISCLAIMER

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 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. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from 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 our brochure may change at any time without notice. Any use of this product; **Superseal CJ-400** in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

**Effective Date: 05 APRIL 2022**

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