

Contite[®] Segment Waterstop CR



WATER SEALING MATERIAL FOR SEGMENT LINED TUNNELS

DESCRIPTION

Contite Segment Waterstop CR is a water sealing material for precast concrete segments that may be tailor made to meet specific design requirements.

USES & ADVANTAGES

Contite Segment Waterstop CR is a water expanding seal for underground tunnel segments used in various civil engineering concrete segment lined tunnel applications such as water supply, water drainage, cable, rail, car, subway, waste water etc.

Advantages include:-

- Can be tailor made.
- Long term, stability, excellent tensile strength & elongation properties.
- Based on chloroprene rubber which has outstanding durability properties.
- Packing effect & ability to close gap variations.
- Easy to handle & install.
- Various swell rates available.

TYPICAL PROPERTIES

Colour	: Black
Typical Swelling Characteristics	: Depends on the water quality In fresh water 150-300%
S.G.	: 1.55-1.75 ASTM D297
Shore A Hardness	: 40-60 ASTM D2240
Tensile Strength	: min. 30 kgf/cm ² ASTM D412
Elongation	: min. 300 % ASTM D412
Tear Resistance	: min. 18 kgf/cm ² ASTM D624

*Note

- Expansion is related to the quality of water, pH, temperatures, age of material and storage conditions.
- Expansion rate at 23°C in potable water at 28 days. Specification shown may be changed without notice to improve the product.
- Different swell rates are available.

INSTALLATION

Surface Preparation :

Remove dust, oil, grease, dirt, mould oils or curing compounds from the surface where the **Contite Segment Waterstop CR** is to be applied.

Application :

Contite Segment Waterstop CR Adhesive is then applied to the clean, dry and sound concrete surface.

Apply a thin even film of adhesive to the surface of the concrete & **Contite Segment Waterstop CR**. Allow to become tacky and then press the tape firmly onto the concrete's surface ensuring good contact.

Do not use mechanical fixing.

In salt water or contaminated water consult Cormix.

Note :- Before applying the **Contite Segment Waterstop CR** do not expose it to any water or rain. After application take adequate measures to prevent exposure to rain water or ground water before it is in place in the tunnel.

PACKAGING & SIZES

Approximate size :-

20 x 5 mm. x 20 LM (8 rolls per carton)

Other sizes can be made specific to the designed groove on the segment.

Primer / Adhesive is available in 5 & 25 litre plastic pails.

One litre of adhesive will cover approx. 30-40 m. for 20 mm. width.

STORAGE & SHELF LIFE

Store dry in original boxes undercover protected from direct sunlight and rain. The shelflife is at least 12 months.

HEALTH & SAFETY

There are no known hazards associated with **Contite Segment Waterstop CR** during normal use. Refer to product material safety data sheet.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

Cormix International Limited

Regional Office,
89 Romkloa Road, Sansab, Minburi, Bangkok 10510
Tel. (66 2) 917 3955-8, 543 8890
Fax. (66 2) 917 3959, 543 8891
<http://www.cormix.com> E-mail : info@cormix.com



Rev. 009 : Jun 2010

NOTE : Every reasonable precaution is taken in the manufacture of all CORMIX-products to ensure that they comply with CORMIX's high standard of quality. The recommendations and properties of the product are based upon what is believed to be the most reliable information available, and are not intended as recommendations which infringe on other patents. Although all CORMIX-products are subject to rigid quality tests, no specific guarantee can be given, because results depend, not only on quality, but also on other factors beyond our control. We welcome therefore consultation in the event of doubt concerning application, or performance, and point out that oral recommendations, which vary from the instructions contained herein, are not binding without written confirmation by CORMIX. All transactions shall be subject to our terms and conditions of sale-delivery-and-service. This data sheet supersedes the previous one and a reprint may be issued without notice to supersede this edition, as and when deemed necessary. The information given in this leaflet is to the best of our knowledge true and reliable. Field service where provided does not constitute supervisory responsibility. Our guarantee is therefore limited to the quality of materials delivered.