

# Contite® Waterbar CTG

EXTRUDIBLE WATER SWELLING PROFILE FOR SEALING CONSTRUCTION JOINTS & PENETRATIONS THROUGH CONCRETE

## DESCRIPTION

Contite Waterbar CTG is a gunnable swelling profile which expands when in contact with water. It may be placed on damp or uneven surfaces and used in all kinds of construction joints & to seal penetrations through concrete.

## USES & ADVANTAGES

Contite Waterbar CTG is used to seal pipe penetrations, joints between sheet piles, precast concrete joints, H beam penetrations, and all types of construction joints including rough surfaces & circular joints.

### Advantages include:-

- Easy & fast to install.
- Follows easily irregular surfaces.
- Low application cost.
- Excellent durability against chemicals.
- Excellent swelling rates.
- Excellent adhesion to concrete, steel & p.v.c.

## PROPERTIES

### Characteristics (Before hardening) JG/T312-2011

Appearance:	Black Paste
Specific Gravity:	1.35 -1.55 (20°C)
Squeezability:	4 seconds (20°C)
Slump:	0 mm (35°C)
Tack free:	10 hrs (20°C, 60% RH)

### Physical Properties (After hardened) JG/T312-2011

Shore A Hardness :	≥ 20
Tensile Strength :	≥ 0.5 Mpa
Elongation (%) :	≥ 400%
Tensile Bond Strength :	≥ 0.4 MPa

(7 days)

Swelling Capacity in potable water : ≥220%

Swelling rate in salt water will be reduced & delayed

## SURFACE PREPARATION

The surface should be cleaned to remove dust, soil, rust, laitance, oil, water or other contaminants.

## INSTALLATION

The bead size is controlled by cutting the top of the cartridge. Apply the material so there is no break in the bead.

When new concrete is poured it is recommended that the material has already cured. Keep the material out of contact with water while it is being cured.

## CONSUMPTION RATES

The below table provides approximate theoretical consumption rates per 600 cc. cartridge.

Width x Thickness	Length (including loss)
20 mm x 5 mm	3 metres
10 mm x 10 mm	3 metres
15 mm x 5 mm	4 metres
20 mm x 3 mm	5 metres
10 mm x 5 mm	6 metres

The actual consumption rates will vary depending on the roughness of the surface

For general purposes a triangular section with side length of 15 mm is recommended. Bigger or smaller sections may be used depending on site conditions and structures purpose.

## PRECAUTIONS

- Do not use in expansion joints or moving joints.
- Store protected from sunlight & moisture.
- In dry conditions volume increases are reversible.
- Protect from rain & avoid expansion before placing of concrete.
- Waterproofing of joints where water levels suddenly increase cannot be guaranteed as Contite Waterbar CTG needs time to expand.
- Concrete cover should be at least 7 cm.

*Note : Water swelling speed of the material is affected considerably by the shape, thickness, and size, etc. of the profile. The maximum swelling magnification is affected by the quality of water, the temperature and age of the product.*

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## PACKAGING

600 ml. sausage.

## STORAGE & SHELF LIFE

Stored in unopened, undamaged original packaging at temperatures between 5°C - 35°C the shelf life is 12 months from date of manufacture.

## HEALTH & SAFETY

During use avoid inhalation of dust & contact with skin & eyes. Wear protective clothing. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately

- **DO NOT** induce vomiting.

## 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 : 2015 verified by TUV Nord.

ISO 14001 : 2015 verified by Lloyd's Register International.

## DISCLAIMER

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product.

Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

## CONTACT DETAILS

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