

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) JIS A 5758

Appearance:	Grey Paste
Specific Gravity:	1.25 (20°C)
Squeezability:	4 seconds (20°C)
Slump:	0 mm (35°C)
Tack free:	4 hrs (20°C, 60% RH)

Physical Properties (After hardened) JIS K 6301

	<u>Normal Condition</u>	<u>After Swollen</u>
Hardness :	28	10
Tensile Strength : (kgf/cm ²)	26	14
Elongation (%) :	950	500
Tear Strength : (kgf/cm ²)	14	-
Swelling Capacity	From 50 - 100%	

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 320 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 5 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.*

PACKAGING

320 ml. cartridge.

STORAGE & SHELF LIFE

Stored in unopened, undamaged original packaging at temperatures between 5°C - 35°C the shelf life is 9 months from date of manufacture.

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

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