

CETFLEX

CONCRETE CONSTRUCTION JOINT WATERSTOP SYSTEM

DESCRIPTION

CETFLEX is a cast-in-place concrete construction joint sealing system that combines a metal sheet barrier with an active bentonite technology sealing strip. CETFLEX is designed to prevent the infiltration of water through cast-in-place concrete construction joints with the swelling properties of the active bentonite technology strip forming a positive seal against the concrete.

CETFLEX is constructed from galvanized metal sheet with an adhered active bentonite technology sealing strip. The bentonite sealing strip is protected with an organic foil that prevents prehydration of the bentonite after CETFLEX has been installed and prior to concrete pours.

CETFLEX is available with two sheet profiles; AC (without foot) and ACF (with foot).

APPLICATIONS

Applications include both vertical and horizontal non-moving new-build cast-in-place concrete construction joints. CETFLEX works in both continuous hydrostatic and intermittent hydrostatic conditions.

CETFLEX SYSTEM ELEMENTS

- AC 165 (h = 165 mm, l = 2,25 m)
- AC 200 (h = 200 mm, l = 2,25 m)
- ACF 125 (h = 125 mm, l = 2,25 m)
- ACF 165 (h = 165 mm, l = 2,25 m)
- MBA 18/3 – Fixing Clip for CETFLEX AC
- KA 18/3 – Fixing Clip for AC and ACF

INSTALLATION

For foundation slabs, CETFLEX should be installed onto the upper steel reinforcement bars. The 'foot' for CETFLEX ACF is cut as applicable to enable fixing to the steel reinforcement bars. Overlap CETFLEX sheets

minimum 100 mm. Secure CETFLEX AC with MBA 18/3 or KA 18/3 Fixing Clips. Secure CETFLEX ACF with with KA 18/3 Fixing Clips. CETFLEX can be bent to form right-angle corners as applicable. Do not remove protective foil from the active bentonite technology sealing strip.

PACKAGING

CETFLEX AC and CETFLEX ACF are supplied in 2.25 m lengths, 10 pieces per box including Fixing Clips.

STORAGE

CETFLEX should be stored in a dry environment in original packaging.

TECHNICAL APPROVAL

Technical Approval No: AT-15-6259/2010.

TECHNICAL DATA		
NO.	PROPERTY	VALUE
1	Metal sheet thickness	0,75 mm
2	Bentonite thickness	1,8 mm
3	Bentonite density	1,65 g/cm ³
4	Time of swelling	≥ 15 days
5	Pressure of swelling	≥ 200 kPa
6	Max. water pressure	0,20 MPa

