

# BAYCOFLEX®-CJ13

## Thermoplastic highly swellable & flexible waterstop

### Description:

BAYCOFLEX-CJ13 is an ultra thin profiled, re-swellable, thermo-plastic waterstop based on the most updated technology for waterproofing construction joints. Extensive care was incorporated in the design to overcome typical difficulties experienced on site with cast in situ concreting.

### Properties & Advantages:

- Flexibility and small cross section make it easy to shape up with any form or surface undulations.
- Low thickness prevents side pocketing during concreting works.
- High expansion (>800%) rate counter-acts low thickness.
- Will expand in distilled, sweet and saline waters.
- Suitable for all types of intricate detailed construction joints.
- Unlike bentonite it remains intact with repetitive wetting & drying: does not lose its body.
- Endless reversible swelling with repetitive wetting & drying.
- Does not become sticky or soft in summer or at high temperatures.
- Highly economic.
- Prime-less.
- Swelling starts after initial hardening of concrete.
- No welding or overlapping required; only butt joints.

### Areas of application:

- Construction joints
- Retaining walls
- Secant piles
- Diaphragm walls
- Pile caps
- Pipe penetrations

### Application instructions:

All substrates shall be clean, sound and free from oil, grease, dust, curing compounds, mould releasing agents, foreign particles or any surface contaminants that may adversely affect tightness between the BAYCOFLEX-CJ13 and substrate.

BAYCOFLEX-CJ13 can be fixed with an assembly adhesive for swelling tapes (BAYCOFLEX-DD6026 or BAYCODUR-K150) or by means of assembly bars or assembly grids.

Always ensure no overlapping or bridging takes place. For optimum results always make sure that tight butt jointing is maintained between roll ends or where T or X intersections are required. At the ends of each jointing strip placed, assembly grids or nailing are recommended to avoid misalignment of terminations or edges.

### Technical Data:

Basis: TPE (vulcanized elastomers)

Form: Rectangular elastomeric strip profile

Colour: Red

Size: 5 x 20 mm

Swelling capacity: > 800%

Swelling starts: At approx. 6hr

Swelling speed: Approx. 140% after 24hr

Approx. 400% after 72hr

Approx. 800% after 14days

Toxicity: None

### Packaging:

25m rolls

### Storage:

Frost-free, protected against weathering, 5 years max. in original unopened packs.

### Limitations:

- Do not use BAYCOFLEX-CJ13 for expansion joints or joints subject to repetitive movements.
- Do not use BAYCOFLEX-CJ13 in any concrete section of less than 160mm thickness.
- BAYCOFLEX-CJ13 must not be fully immersed in water prior to concrete placement. Before concreting BAYCOFLEX-CJ13 may tolerate occasional rains during construction but remove all standing water before installation of BAYCOFLEX-CJ13.