

FORMDEX 2010

DELAY SWELLING HYDROPHILIC EXPANDING WATERSTOP

DATA SPECIFICATION SHEET

DESCRIPTION

Formdex 2010 is a high quality hydrophilic waterstop that is used primarily in providing a water seal at construction and non movement joints.

Formdex 2010 is made from high performance polymeric composites that have delay swelling action. The swelling action is the result of water reaction within the polymer matrix, expanding in volume without altering its homogeneous structure.

It can swell up to 200% of its original volume under constant water immersion to form an effective compression seal which creates a positive seal in the construction joint even under high water pressure. It will not transport water through its polymeric matrix and thus not act as a capillary duct.

ADVANTAGES

- Reliable and durable
- Easy to install and takes to the profile it is installed on
- Expansion properties are not affected by long term wet/dry cycle
- Slow swelling action important for effective seal
- Can be installed on wet concrete with proprietary adhesives
- Delayed swell action allowing extra installation tolerance on site
- Can withstand high hydrostatic pressures

AREAS OF USAGE

- Foundations and Basement structures
- Tunnels and subways
- Swimming pools and water features
- Water retaining structures
- Retaining walls
- Pipe penetrations
- Slabs on grade

PRODUCT SPECIFICATION

COLOUR	: Black
PACKAGING	: 6.25m x 8 rolls = 50m / box
SOLID CONTENT	: Passed
DIMENSIONS	: 20mm x 15mm
SERVICE TEMPERATURE	: -30°C to 50°C
UNRESTRAINED VOLUMETRIC EXPANSION (ASTM D471)	: > 204%
HYDROSTATIC PRESSURE RESISTANCE	: 6 Bars (60m)
ELONGATION AT BREAK (ASTM D412)	: 374%
TENSILE STRENGTH (ASTM D412)	: 1.06 N/mm ²
SHORE "A" HARDNESS (ASTM D2240)	: 52

APPLICATION

SURFACE PREPARATION:

Surfaces should be clean and free of standing water.

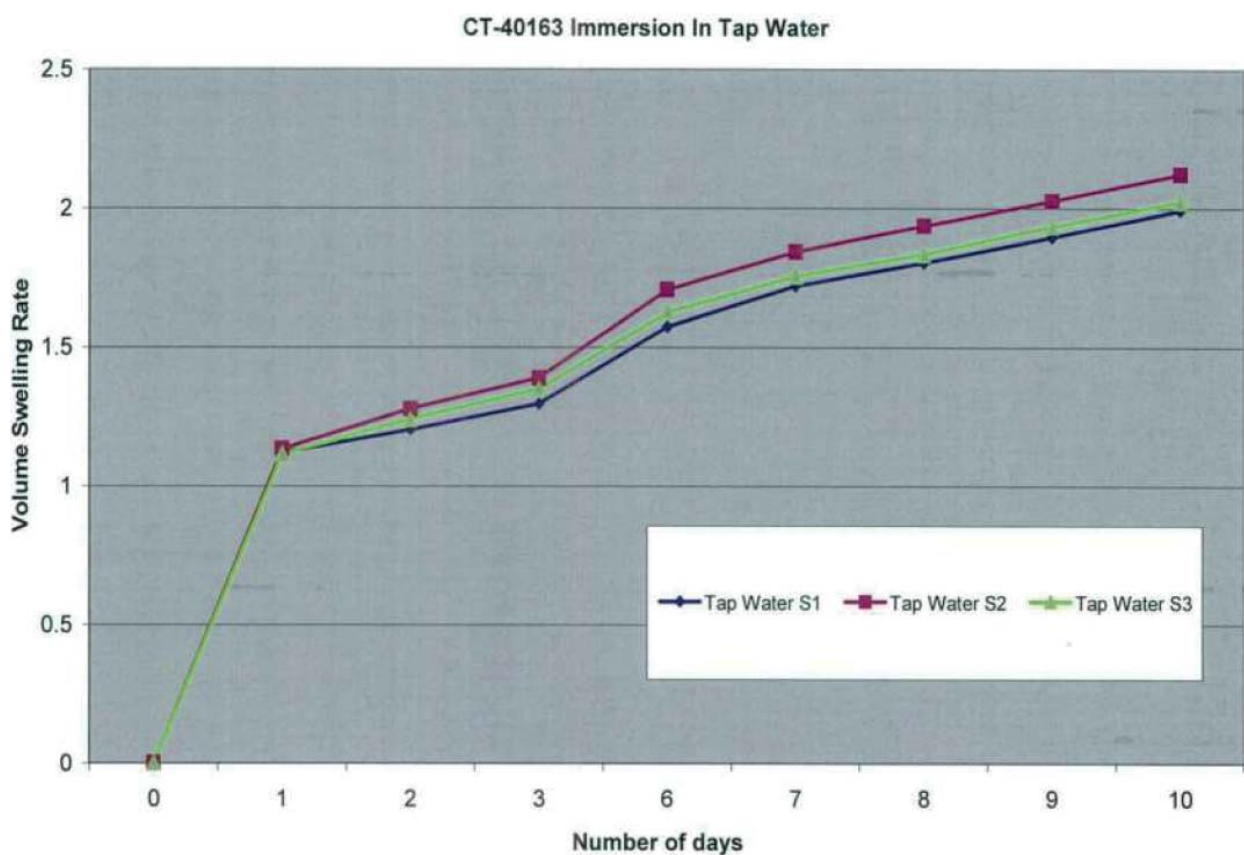
INSTALLATION:

Formdex 2010 can be installed directly onto the concrete surface

Formdex 2010 is held in position using suitable nails or adhesive. It must not be stretched during installation and ends are butt joint to form continuous waterstop.

Formdex 2010 requires a minimum concrete cover of 50mm to the exterior concrete surface.

VOLUMETRIC EXPANSION CHART



Place Product
Sample Here

Hitchins (FE) Marketing Pte Ltd
Telephone: (65) 6861 1177
Facsimile: (65) 6863 4240
Email: hitchins@hitchins.com

Revision F

All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.