

# Estop Rubber Waterstops

# **Waterstop For High Movement Joints**

#### Description

The **Estop Rubber Waterstop** is an integral sealing system for high movement joints in water retaining and water excluding structures. It is suitable for joints and structures subject to high water pressure, subsidence and seismic movements.

#### Uses

The **Estop Rubber Waterstop** is suitable for structures where the joints are subjected to high water pressure or pronounce repeated movements.

- Dams, culverts, canals, spillways
- Water towers, reservoirs
- Sewage tanks
- Tunnels and subways
- Basement substructures

## Advantages

- High elasticity accommodates pronounced cyclic movement
- High elongation to cater for subsidence and seismic movement
- Withstands high water pressures

# **Physical Properties**

Compound	
Tensile Strength	> 11 N/mm <sup>2</sup> @ 25°C
Elongation at Break	> 300 % @ 25°C
Shore 'A' Hardness	$60 \pm 5$
Profiles	
Form	Elastic solid sections
Colour	Black
Section Profile	Plain Web Dumbbell &
	Centre Bulb

#### **Applications**

## Waterstop selection

Dumbbell and Centre Bulb **Estop Rubber Waterstop** are centrally placed type of sealing system. **Estop Rubber Waterstop** is particularly suited to high movement joints and joints in structures liable to subsidence.

**Plain Web:** Suitable for construction joints, contraction joints and joints where no shear movement is possible.

**Centre Bulb:** Suitable for expansion joints and joints with high movement.

# Installation

**Estop Rubber Waterstop** is to be installed securely held in their correct position whilst the concrete is placed. The concrete must be fully and properly compacted around the **Estop Rubber Waterstop** to ensure that no voids or porous areas remain.

No holes are to be made through any waterstop.

**Estop Rubber Waterstop** can be jointed with Hot or Cold Vulcanizing Method.

#### Packing & Size

Plain Web Dumbbell	150mm x 15m roll 230mm x 15m roll
Centre Bulb	150mm x 15m roll 230mm x 15m roll 305mm x 15m roll 500mm x 15m roll

#### **Technical Support**

Denka offers a technical support package to specifiers, endusers and contractors, as well as on site technical assistance.

#### Storage

**Estop Rubber Waterstop** should be store under covered condition. The product has a shelf life of thirty-six months.



#### **Additional Information**

Denka Construction Solutions Malaysia Sdn Bhd and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.



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