KISCOTE RW 10

Rapid-Action Hydrophilic Rubber Waterstop

DESCRIPTION

KISCOTE RW 10 is a pale-coloured rubber waterstop made of butyl materials. It swells rapidly when immersed in water, making it an obvious choice as a pre-installed defense against water leakages along construction joints for poured in-situ concrete. To prevent premature expansion before the next pour of concrete, it has been treated with a protective coating so it will not react for the first 1-2 hours of full contact with water.

KISCOTE RW 10 reacts to water ingress rapidly – expanding over 100% by the first 20 hours of immersion in water. In addition, it has exhibited an ability to expand repeatedly after numerous wet-dry cycle conditions while still maintaining its functionality. It is installed by being nailed to one side of the concrete or glued using appropriate adhesives.

RECOMMENDED USES

- Box culverts
- Dam construction
- New to old concrete
- Precast concrete wall panel systems
- Poured in-situ construction joints
- Underground (utility) vault seal

ADVANTAGES

- Built-in delay-reaction coating to prevent premature swelling.
- Easy to install.
- High swelling > 250%.
- Non-toxic.
- Available in beige colour for effective site inspection

APPLICATION GUIDELINES

a) Surface Preparation

Receiving surface shall be relatively even.

b) Installation

- KISCOTE RW 10 is installed by nailing into position with concrete nails. Use of appropriate adhesives (with no solvent that will attack the material) is acceptable.
- Over-lapping between two layers of waterstop should not be less than 50mm.

PACKAGING

KISCOTE RW 10 is supplied in: -

White-Beige Colour in 20x10mm – 50 metres/ box (2 rolls of 25 metres)

STORAGE

KISCOTE RW 10 should be stored in tightly sealed original packing, and a 12-month shelf life can be expected from date of manufacturing.

HEALTH & SAFETY

KISCOTE RW 10 is non-hazardous to health when used as waterstop. Refer to SDS for further information.

TECHNICAL PROPERTIES

KISCOTE RW 10	
Appearance	White - Beige
Density	1.45
Volumetric expansion in fresh water	• No effect after 1-2 hour • >120 % (after 16 hours) • >250 % (after 7 days)
Durometer hardness (Shore A)	30
Loss of materials after immersion in water (Visual)	None. No observation of cloudiness in water after 3 days.
Elongation (ASTM D412)	>300%