



# KISCOTE R

## Hydrophilic Rubber Waterstop

### **DESCRIPTION**

KISCOTE R is hydrophilic rubber swellable waterstop that has been developed for water stopping function in construction and civil engineering application, which exhibits inevitable leaking all the time. KISCOTE R is capable of sealing heads of water up to 50 metres and is widely used to seal horizontal and vertical construction joints for poured in-situ concrete. It is treated with a delayed coating thus preventing it from premature expansion.

KISCOTE R will return to its original size if the concrete and substrate is completely dry. If water or moisture is introduced again to the joints, KISCOTE R will then re-expand to seal the potential leaking joints. It has been tested against numerous wet-dry cycle conditions and maintain its functionality.

### **RECOMMENDED USES**

- Box culverts
- Cut & cover tunnel construction
- Dam construction
- Manholes
- New to old concrete
- Around water pipes in concealed system
- Precast concrete wall panel systems
- Poured in-situ construction joints
- Underground (utility) vault seal
- Wrapping around pipe penetrations

### **ADVANTAGES**

- Built-in delay coating (Prevent premature swelling)
- Easy to install.
- High swelling > 250%.
- Non-toxic.
- Swells even in saline conditions.

### **APPLICATION GUIDELINES**

#### a) Surface Preparation

Receiving surface shall be relatively even.

#### b) Installation

- KISCOTE R is installed by nailing into position with concrete nails.
- Over-lapping between two layers of waterstop should not be less than 50mm.
- Areas that require KISCOTE R to bend awkwardly along desired profile use 20 x 5mm (R5) dimension and fill all gaps with KISCOTE water-swellable mastic sealant.



## **PACKAGING**

KISCOTE R is supplied in: -

R5: 20 x 5mm – 100 metres/ box (2 rolls of 50 metres)

R: 20x10mm – 50 metres/ box (2 rolls of 25 metres)

## **STORAGE**

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

## **HEALTH & SAFETY**

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

## **TECHNICAL PROPERTIES**

KISCOTE R	
Appearance	Black
Density	1.45
Volumetric expansion in fresh water (ASTM D471:2016A)	>450% (30 days)
Durometer hardness (ASTM 2240)	50
Tensile strength (DIN 53405)	In compliance to
Water penetration (DIN 1048, Part 5)	1.10N/mm <sup>2</sup>
Elongation (ASTM D412)	>500%

### **IMPORTANT NOTES**

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/ or suggestions made by the company representatives, agents and/ or distributors.

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