

## DESCRIPTION:

Metz Acid Resistant Waterstop is a pre-formed thermoplastic vulcanized rubber waterstop with excellent mechanical properties and chemical resistance.

Metz Acid Resistant Waterstop is typically used as the last line of defence in Metz Sauereisen 54SG or Metz 10EN installations in conjunction with Metz chemical resistant sealants. It is designed to maintain a fluid-tight seal and accommodate movement between the acid resistant concrete sections. Also can be used as a waterstop in conventional Portland cement concrete slabs.

## FEATURES AND BENEFITS:

- Excellent Chemical Resistance. Resistant to a wide range of acids, alkalis, salts, oils and solvents, including concentrated sulphuric and phosphoric acids.
- Can withstand prolonged exposure to temperatures from  $-30^{\circ}\text{C}$  to  $120^{\circ}\text{C}$ .
- Contains no plasticizers, stabilizers or fillers, which can leech out when exposed to chemicals.
- Easily weldable on site using standard equipment.
- Standard format is 'rear type' for use at base of slabs. Other profiles available subject to minimum quantity.

## RECOMMENDED:

As a waterstop along joints in concrete in Metz Sauereisen 54SG and Metz 10EN applications and as a chemical resistant waterstop in Portland cement slabs for:

- Acid Plants
- Acid Unloading Areas
- Fertiliser Plants
- Secondary Containment Areas
- Oil Refineries
- Chemical Plants

## NOT RECOMMENDED:

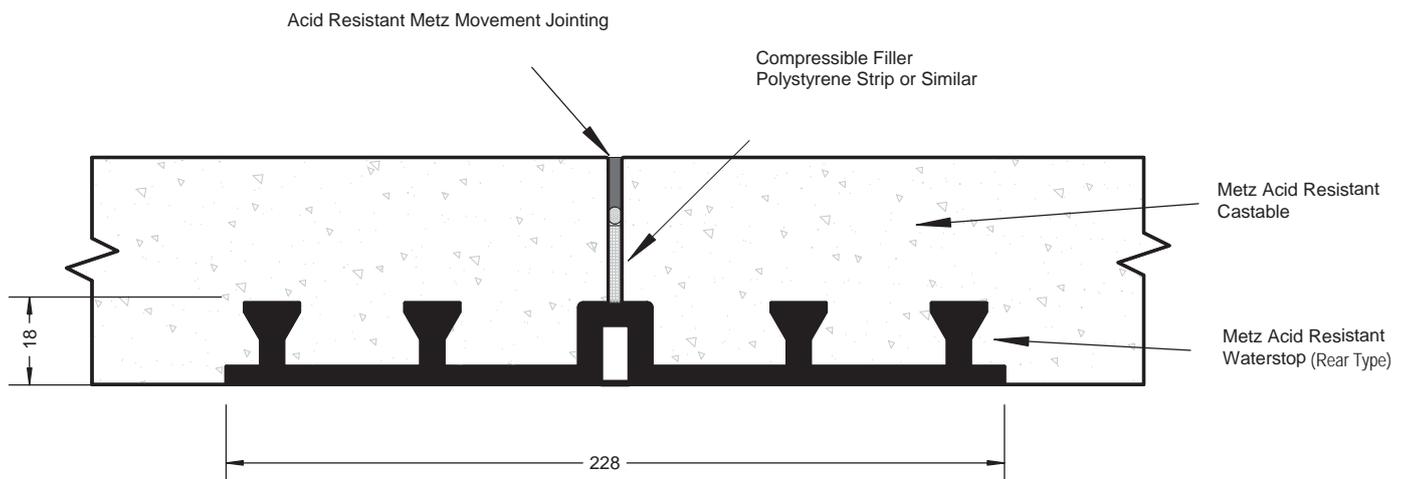
- For fluid-tight sealing in vessels subject to pressure.

## PHYSICAL PROPERTIES: (Typical Values)

Specific gravity	0.96
Shore A hardness	$90 \pm 3$ at $25^{\circ}\text{C}$ .
Tensile Strength	15 MPa
Ultimate Elongation	400%
Min service temperature	$-30^{\circ}\text{C}$
Max service temperature	$120^{\circ}\text{C}$

## INSTRUCTIONS FOR USE: (REAR TYPE)

- Waterstops shall be installed at concrete movement joints as per drawing.
- Waterstop should be centred in, and run the extent of the joint.
- All changes of directions should preferably be prefabricated, leaving only butt-welding for the field.
- Uncoil waterstop 24 hours prior to installation for ease of handling and fabrication.
- Position waterstop to ensure proper distance from reinforcing bars, dowels etc.
- Protect waterstop from damage during progress of work.
- Splice straight lengths of waterstop and shop made fittings to straight length with the welding iron temperature set to 210-220°C.
- Carefully place Metz Sauereisen 54SG Acid Proof Concrete, Metz 10EN or other material without displacing waterstop from proper position.
- Thoroughly and systematically compact the Metz castable material in the vicinity of the joint to maximize contact between castable and waterstop
- After first pour, clean unembedded waterstop to ensure full contact of second pour.



Always ensure you have the latest data sheet version, refer [www.metz.net.au](http://www.metz.net.au)

1. The customer must comply strictly with the instructions contained in this product data sheet. Metz is not responsible for any advice or variations to this data sheet which are not confirmed in writing.
2. If the customer has a claim against Metz in respect of any product supplied to the customer by Metz whether due to a fault in the product or the negligence or breach of contract by Metz or for any other reason:
  - a) Metz shall not be liable for any loss of damage including consequential loss or damage or loss of profits arising thereby;
  - b) Metz may at its option replace the defective product free of charge to the customer or refund all payments made to it by the buyer in respect of the defective product; and the maximum liability of Metz shall be the cost of replacing the defective product.

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### METZ SPECIALTY MATERIALS PTY LTD

A.C.N. 140 636 639

15A Stanton Road, Seven Hills, NSW 2147  
Facsimile: (02) 9671 4292 Phone: (02) 9671 1311

6 University Place, Clayton North, VIC 3168  
Facsimile: (03) 9561 6944 Phone: (03) 9561 6144

Unit 16, 42 Smith Street, Capalaba QLD 4157  
Facsimile: (07) 3823 5552 Phone: (07) 3823 5555

### Distributor