

## Technical Information Sheet

# Sulfiton® Waterstop

Art.No. 4812-4813

Sealing waterstop made of synthetic rubber (NBR ~ Nitril Butadien Rubber) with strips of alkali resistant polyester fabric that have been vulcanised to the side.

### Property profile:

Sulfiton Waterstop bridges and seals movement and expansion joints in buildings. Movements of up to 10 mm are reliably taken up. The joint remains permanently sealed, even at the above specified movement widths.

### Range of use:

Sulfiton Waterstop is used to waterproof movement and expansion joints in buildings. It is mainly used for subterranean building elements in houses, underground parking garages and tunnels.

### Characteristic data of the product:

Thickness:	1.0 ± 0.3 mm
Width:	200 mm (Art.Nr. 4813) 300 mm (Art.Nr. 4812)
Colour:	blue
Elongation at break	
Longitudinal:	> 400 %
Transverse:	> 350 %
Low temperature stability:	≤ -20°C
Weight per unit area of the coating:	1000 – 1400 g/m <sup>2</sup>
Water vapour diffusion resistance coefficient:	8000 μ
Resistance to	
Salt solutions:	resistant
Diluted acids:	resistant
Diluted lyes:	resistant
UV radiation:	resistant
Diesel:	weak resistance
Petrol:	weak resistance
Aromatic hydrocarbons:	not resistant
Temperature range for use:	- 20°C / + 80°C

### Substrates:

The substrate must be clean and sound and also free of oil, grease and release agents. Matt damp surfaces are permitted but shiny wet surfaces must be dried. The substrate must be solidly filled with an even surface. Remove projecting seams and the remains of mortar. Corners and edges, particularly on cellar slabs and cantilevered slabs should be broken off or slanted. Conspicuous unevenness and gravel pockets should be levelled or filled with repellent mortar.

### Directions:

Sulfiton Waterstop can be cemented to all cementitious substrates normally found in buildings with any of the Aida Grouts. Sulfiton Elastoplast can also be used. For all of the above named cements, the substrate can be matt damp or dry. Sulfiton products are also suitable for cementing Sulfiton Waterstop to bituminous substrates.

Sulfiton Waterstop can also be cemented to dry, cementitious substrates with Viscacid Epoxy Construction Resin (adding Set-Up Agent if necessary). After the waterstop has been bedded in place, the cemented surface should be sanded with Quartz Sand H33. At ends and corners or crossings, the required connections are made with Sulfiton Waterstop Cement. Make sure that cementing is continuous. The cement should be applied in a zigzag since this is more durable. The cemented surfaces should be strongly pressed together for a moment.

When waterproofing vertical joints, lead Sulfiton Waterstop all the way down to the concrete slab, leaving end pieces that should be led at least 10 cm along the concrete slab.

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### Follow-up work:

After the cement that has been used has set, exterior waterproofing in the Aida Kiesol System is subsequently applied to the connecting Sulfiton Waterstop / substrate area, overlapping at least 10 cm. In accordance with DIN 18195, part 10, the waterstop is to be covered with Sulfiton DS System Protection.

### Notes:

The permissible working temperatures depend on the properties of the cement used but should never fall below +5°C.

### Tools and cleaning:

Scissors, knife, filling knife, trowel.

When using Aida Grouts or Sulfiton Elastoplast/Thick Coating as a cement, tools should be cleaned with water before the cement sets. Set bitumen is removed with V 100 thinner.

When using Viscacid Epoxy Construction Resin as a cement, clean tools with V 101 thinner.

### Packaging, application rate and storing:

**Packaging:** 1 roll, 30 m long, in a carton

#### Application rate:

Cement:

Aida ADS Special Grout	approx. 0.5 kg/m
Aida Elasto Grout	approx. 0.4 kg/m
Sulfiton Elastoplast	approx. 0.3 kg/m
Sulfiton Thick Coating	approx. 0.8 l/m
Viscacid Epoxy Construction Resin	approx. 0.4 kg/m

Sulfiton Waterstop 1 m / m  
For Waterstop end pieces, according to requirements

**Shelf-life:** Practically indefinitely stored cool and dry in the original carton.

### Safety, ecology, disposal:

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques. Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet.

Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid.

With the publication of this Technical Information Sheet all previous editions are no longer valid.