



## TECHNICAL DATA SHEET

# RASCOjoint TPE Waterbar

The RASCOjoint TPE Waterbar is made from a thermoplastic elastomer (TPE).

### USE

The bonded waterbar is externally applied and used to waterproof construction and movement joints that may or may not be exposed to hydrostatic pressure.



### FEATURES

- no activation of waterbar by solvent required
- readily weldable
- permanently elastic
- high chemical resistance
- UV-resistant

## TECHNICAL/PHYSICAL DATA

Size	length 20 m
	width 100 mm - 2000 mm
	thickness 1 mm or 2 mm
Colour	grey
Supplied form	solid
Chemical base	thermoplastic elastomer (TPE)
Hazardous goods/ADR	none
Elongation at rupture to DIN 53504 S2	approx. 600 %
Tear propagation resistance to DIN 53363	approx. 600 N/cm
Folding endurance in cold conditions to SIA V280-3	-30° C, no tearing
Tensile strength to DIN 53504	> 6 N/mm <sup>2</sup>
Shore A hardness to ISO 868	approx. 80
Watertightness	slit pressure test requirements met
Compatibility with bitumen	requirements met
Storage/shelf life	unlimited

## APPLICATION

The base shall be dry, clean, free from dust, oil, grease and loose particles and have adequate strength. The waterbar shall be bonded (without prior activation) to the base using RASCObond EP adhesive filler. Where used with movement joints, the waterbar shall be kept free of adhesive in the area of the joint. The waterbar shall be adequately protected against mechanical damage, e.g. during backfilling.

## GENERAL GUIDELINE

Unlike the conventional hypalon waterbar systems, the TPE waterbar does not need to be activated prior to bonding and may be applied directly from the roll. End joints or other necessary joints at pipe penetrations, internal and external angles are easily formed by welding using industrial hot-air apparatus. The waterbars shall generally be fixed on the water side of the building element. It is recommended, in the case of movement joints, that the joint be filled in advance with a strong elastic compound. Where waterbars need to be fixed on the non-water side of the element, the waterbars shall be provided with a suitable supporting matrix capable of accommodating the incident hydrostatic pressure. At the same time, free movement of the joint shall not be impaired. The waterbars shall always be protected against wilful damage (vandalism) at freely accessible locations, e.g. shopping centre basement car parks. Consult RASCOR wherever waterbars are used in conjunction with chemicals; chemical resistance shall be established for each specific case.

## SAFETY NOTICE

The manufacturer's instructions regarding the epoxy-based adhesive used for bonding the waterbars shall be observed. For further details, please consult the safety data sheet.

## EXPERT REPORTS

- various reports on request

## SUPPLY/ADDITIVE

Item no.	Product	Container	Contents
1108.1211.001	RASCOjoint TPE Waterbar Typ 150/1 mm	roll	20 m
1108.1212.001	RASCOjoint TPE Waterbar Typ 200/1 mm	roll	20 m
1108.1221.001	RASCOjoint TPE Waterbar Typ 200/2 mm	roll	20 m
1108.1222.001	RASCOjoint TPE Waterbar Typ 250/2 mm	roll	20 m
Sizes between 100 mm bis 2000 mm on 1 mm oder 2 mm diameter supplied on request			
1409.1201.030	RASCObond EP Adhesive Filler	combi pack	30 kg

LEGAL NOTICE: The information provided on the use and application of our products in this technical data sheet is based on the present state of our knowledge. The customer shall bear sole responsibility for the proper specification, application and use of the products in line with the intended purpose, project-specific conditions and external actions. The most recent technical data sheet shall apply. The current technical data sheets are available at [www.rascor.com](http://www.rascor.com). Our General Terms of Business shall form an integral part of this technical data sheet.

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