

## PROOFMATE S

### Properties:

*PROOFMATE S* compression joint profiles are solid rubber round-profiles of various diameters based on SBR (styrene butadiene rubber).

*PROOFMATE S* is used for the renovation of spacial and expansion joints and as a joint completion profile in underground areas.

The sealing effect is solely achieved by the contact pressure on the joint flanks that is achieved when the profile is hammered or pressed into the joint.

Using of *PROOFMATE S* is possible to seal reliably against pressurised water up to 2 bar, if the full surface of the compression profile can be pressed onto joint flanks that have an even surface.

### Technical data:

#### Substance data:

Colour	black	
Material basis	SBR	
Shore A hardness	40 ± 5	DIN 53505
Tensile strength	≥ 14 N/mm <sup>2</sup>	DIN 53504
Elongation at break	≥ 350 %	DIN 53504
Tear strength	≥ 10 N/mm	DIN ISO 34-1
Rebound resilience / RT	≥ 25 %	DIN 53512
Temperature resistance	-30 to +90°C	
Diameter	10, 15, 20, 30, 40 mm	

#### Ageing 7d / 70°C rel. change:

Shore A hardness	+ 8	DIN 53508
Tensile strength	± 15 %	
Elongation at break	± 25 %	

#### Compression set:

72 h at RT	≤ 20 %	DIN ISO 815
24 h at 70°C	≤ 25 %	

Technical data were determined on sheets.

Chemical resistance DIN EN ISO 175

Classification:

- + resistant (non or little effect)
- +/- limited resistant (moderate effect)
- not resistant (serious effect)

Chemical compound	Classification	Remarks
Petrol	+/-	resistant for 72 h
Diesel fuel	+/-	resistant for 72 h
Mineral oil (15W40)	+/-	resistant for 72 h
Waste water pH 2-12	+	
o-Xylene	-	
m-Xylene	-	
Toluene	-	
Ethanol	+/-	resistant for 72 h
Chlorwasser	+	
Ethyl acetate	-	
Ethylene glycol	+/-	resistant for 72 h

<b>Processing:</b>	<p><i>PROOFMATE S</i> compression profiles are driven into the joint by means of a hammer and wooden or plastic wedges or mechanically by a pneumatic chisel hammer.</p> <p>Remember to choose a profile diameter that will allow sufficient contact pressure with the material when you drive in the profile.</p> <p><i>PROOFMATE S</i> can also be reinforced by bonding it with <i>FIX-O-FLEX</i>.</p>	
<b>Safety information:</b>	No special measures required	
<b>Packaging:</b>	Rolls or bundles in carton or on pallets (depending on profile type)	see price list
<b>Storage:</b>	Shelf life at least 24 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.	After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.
<b>Disposal:</b>	<p><u>Recommendation:</u></p> <p>Small quantities of product residues can be disposed of as normal domestic waste. Dispose of bigger quantities must be effected in accordance with the corresponding local regulations.</p>	
<b>Test certificates:</b>	Tightness test of <i>PROOFMATE S</i> compression profile in expansion joint; MFPA Leipzig 2003	
<b>Legal notice:</b>	The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.	

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