




## EUROLASTIC TC 30 S

Approved 2-component polysulphide sealant (gun-grade)



-  Joint sealant: EUROLASTIC TC 30 S
-  Primer: EUROLASTIC Primer U 12 G or EUROLASTIC Primer S2
-  Backing material: round PE cord (closed-cell)

### Product description

**EUROLASTIC TC 30 S** is a non-sag, highly chemical-resistant, polysulphide-based, 2-component joint sealant.

### Area of application

- for indoor and outdoor use
- sealing with water-polluting liquids (storage, filling and handling [LAU] facilities for water-polluting substances, filling stations)
- for walls, floors and inclined areas (2% gradient or more) for walkways and traffic areas (production areas, warehouses)
- as adhesive for EUROTEK TK joint tape for WHG (German Water Resources Act)/LAU applications

### Product characteristics

- excellent resistance to notching and wear
- 2-component, isocyanate and solvent-free
- resilient and durable over a wide temperature range (-40°C to +120°C)
- resistant to fuels, oils, de-icing agents, aircraft fuels and numerous other media
- very high UV, weathering and ageing resistance
- partially repairable (using cold vulcanising)
- outstanding recovery capability of >80%
- tack-free, even at high temperatures

### Colours

grey, black



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<b>Substrate preparation</b>	The substrate temperature must be between +5°C and +35°C, and the temperature of the bonding surfaces must be at least 3°C above the prevailing dew point temperature. At the time of jointing, the bonding surfaces must be clean, free of oil or grease, dry and free of substances that could prevent adhesion.
<b>Backing</b>	To prevent three-flank adhesion and define the sealant thickness, a closed-cell polyethylene backer rod must be used to tightly and firmly fill the joint slots before applying the sealant. The rod must not be damaged during application.
<b>Primer</b>	Basically, <b>EUROLASTIC TC 30 S</b> may only be applied to primed bonding surfaces. Absorbent substrates: EUROLASTIC Primer U12G Non-absorbent substrates: EUROLASTIC Primer S2 Bare steel and galvanised surfaces: EUROLASTIC Primer ZM (without approval at EUROLASTIC TC 30 S black) after curing EUROLASTIC Primer S2 must be applied. See primer matrix for further information
<b>Processing conditions</b>	Substrate temperature between +5°C and +35°C. Ambient temperature between +5°C and +40°C. The dew point must be taken into account (+3°C above dew point)
<b>Processing</b>	<b>EUROLASTIC TC 30 S</b> is supplied with the correct ratio of components A and B. The delivery containers already contain both components.  <u>Processing of 450 ml cartridges:</u>  <i>Tools:</i> Cartridge holder, cartridge mixer (spiral mixer), mixing device, 0.6 l spray gun with cartridge plunger <i>Mixing and gun filling:</i> Clamp cartridge in cartridge holder. Rotate the cartridge mixer when inserting it into the cartridge. Mix at approx. 300



rpm and pull out while rotating. Mix components A and B together for at least 3-5 minutes.

The cartridge rim must fit the gun opening tightly. Use an additional sealing ring, if necessary.

#### Processing of 2.5 l cans:

##### *Tools:*

Can mixer, suction disc with handle, mixing device, spray gun with suction plunger (0.6 l – 1.5 l capacity)

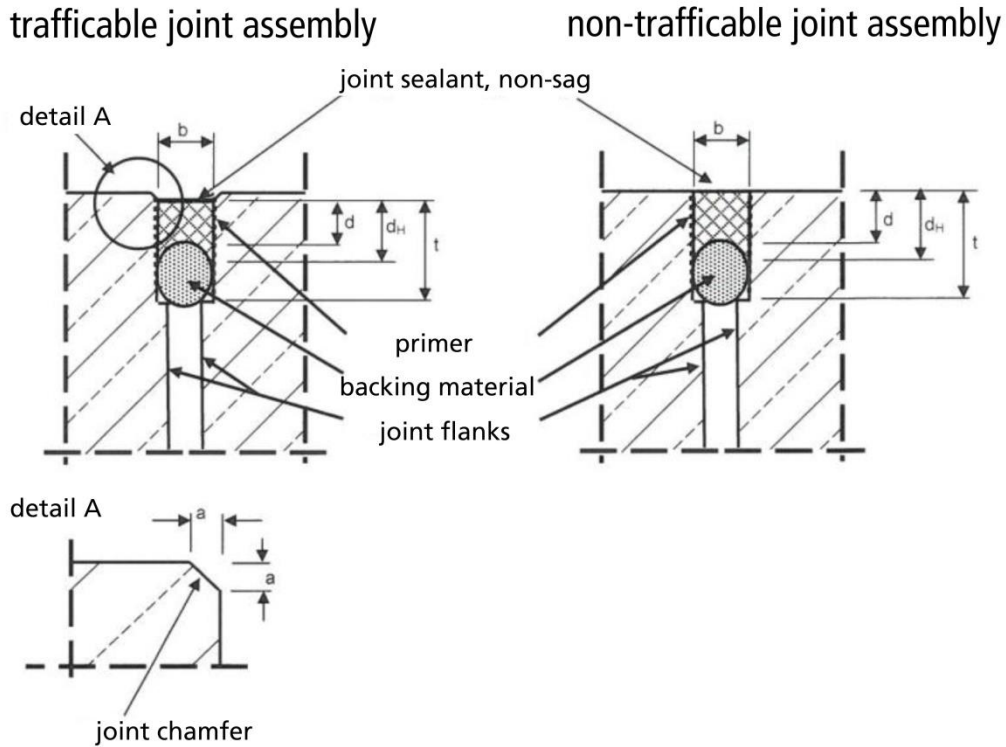
##### *Mixing and gun filling:*

Components A and B from one can must be mixed for at least 3-5 minutes at approx. 300 rpm until a homogeneous, streak-free mixture results. Insert suction disc into can, place gun on suction disc and draw in material. The joint chamfers and edges must be masked with adhesive tape before primer application and sealant installation.

The primed joint flanks must be dry to the touch before jointing. Pay attention to primer flash-off times. The sealant is sprayed into the joint space from the bottom up to the chamfer with as few air bubbles as possible. Installation of the sealant in layers is recommended for wide joints, beginning at the edges of the backer rod.

The remaining joint cross-section is then filled. The joint chamfer must not serve as a bonding surface. Finish the joint surface with a smoothing trowel and remove the tape. If necessary, wet a brush with a smoothing agent (e.g. neutral soap solution) and smooth again.

The joint sealant installation must be carried out in accordance with CUAP (Common Understanding of Assessment Procedure) "Joint Sealants" – see DIBt European technical approval.



a = chamfer face (3 to 10 mm)  
 b = joint width (10 to 20 mm trafficable, non-trafficable up to 40 mm)  
 d = joint sealant thickness  
 dH = joint sealant adhesion or contact surface on the joint flank;  $dH = d + 0.5 b$   
 t = depth of joint slot

### Joint Design Dimensions

Trafficable with pneumatic tyre vehicles			
	b	d	d <sub>H</sub>
min.	10	10	15
max.	20	20	30

Non-trafficable			
	b	d	d <sub>H</sub>
min.	10	10	15
max.	40	40	60

### Cleaning

Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Fully cured material requires mechanical cleaning.



Joint width in mm	Joint depth in mm	Consumption* in ml/m
10	10	approx. 100
15	12 - 15	approx. 180 - 225
20	16 - 20	approx. 320 - 400
25	20 - 25	approx. 500 - 625
30	24 - 30	approx. 720 - 900
35	28 - 35	approx. 980 - 1,225
40	32 - 40	approx. 1,280 - 1,600

**Consumption** Consumption as adhesive for EUROTEK TK joint tape:  
The adhesive consumption in ml per running metre can be obtained by multiplying the joint tape width by the factor 2.

**Packaging** **EUROLASTIC TC 30 S** is delivered in 450 ml cartridges and 2.5 l containers.  
Components A and B are not separated.

**Storage and shelf life** Store in a cool, dry place (+10°C to +25 °C). Under these conditions, the shelf life of unopened and undamaged original containers is 12 months.

**Tests/ Approvals/Standards** **EUROLASTIC TC 30 S** complies with the European technical approvals granted by DIBt (German Institute of Building Technology):

- Z-74.6-127
- Z-74.6-132
- Z-74.5-126

**Special instructions/protective measures** **EUROLASTIC TC 30 S** may only be processed in well-ventilated areas. Suitable protective clothing must be worn when working. Waste and containers must be disposed of in a safe manner. Avoid release into the environment. Completely empty containers can be returned to the KBS/Interseroh circulatory system.  
The instructions in the corresponding safety data sheet must be strictly adhered to.



Technical data*		
Technical properties	Unit	Value
Material basis		Polysulphide/manganese dioxide
Mixture ratio A:B	Parts by	100:20
Number of components		2-component
Density at +23°C	g/cm <sup>3</sup>	1.50 - 1.55
Solid volume at +23°C	%	100
Viscosity		thixotropic
Processing time at +23°C/50% relative humidity	hrs	0.5 – 2.0
Curing time at +23°C/50% relative humidity	hrs	24 - 48
Object processing temperature	°C	from + 5 to + 35
Temperature resistance	°C	from - 40 to + 120
Mechanical properties	Unit	Value
Shore hardness		approx. 20
Approved total deformation	%	25
Tensile stress at +23°C	N/mm <sup>2</sup>	approx. 0.20
Tensile stress at -20°C	N/mm <sup>2</sup>	approx. 0.34
Recovery capability	%	> 80
Chemical properties		
	see chemical resistance list or technical approvals.	

\* These are approximate values. The values are not intended for the preparation of specifications.

When processing the sealant with a heated 2-component mixing and dosing system (max. + 60 °C), divide the curing times by two.

The data was calculated at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or extend these times. All technical data, measurements and information in this data sheet are based on laboratory tests. Actual measured data may deviate in practice.

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