

EUROLASTIC TC 30 G traffic grey

rapid-hardening, 2-component, polysulphide sealant, pourable, optimised for dispensing systems, with an approved total deformation of 35%, tested in accordance with TL Fug StB 01 (technical requirements for joint filling materials in traffic areas)



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

Product description

EUROLASTIC TC 30 G traffic is a pourable, fast-curing, chemical-resistant, dispensing system-optimised, 2-component polysulphide-based (approx. 35 %) joint sealant for sealing joints in traffic areas.

Area of application

- sealing of dummy, compression or expansion joints in traffic surfaces such as motorways, aircraft movement areas, etc.
- for indoor and outdoor use
- thanks to short curing times, areas being treated during renovation projects are soon available for use once again.

Product characteristics

- fast-curing
- excellent resistance to notching and wear
- 2-component, isocyanate and solvent-free
- can be applied mechanically
- resilient and durable over a wide temperature range (- 40°C to + 120°C)
- resistant to fuels, oils, de-icing agents, aircraft fuels and many other media
- very high resistance to UV, weathering and ageing
- locally repairable (using cold vulcanising)
- outstanding recovery capability of >90%



- tack-free, even at high temperatures
- approved total deformation of 35%

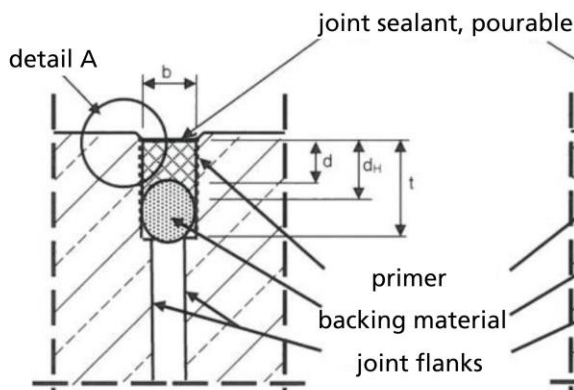
Colour	Grey
Substrate preparation	<u>New construction:</u> The substrate temperature must be between +5°C and +35°C, and the temperature of the bonding surfaces must be at least 3°C above the prevailing dew point temperature. At the time of jointing, the bonding surfaces must be clean, free of oil and grease, dry and free of substances that could prevent adhesion. <u>Renovation of joints in concrete surfaces:</u> Our special EUROLASTIC U12G traffic primer makes re-cutting of joint flanks unnecessary in renovation work. See: "Substrate Preparation when Renovating Joints in Concrete surfaces" in the EUROLASTIC U12G traffic technical bulletin.
Backing	To prevent three-flank adhesion and define the sealant depth, the joint slots must be tightly and firmly filled with a round, closed-cell polyethylene backer cord before applying the sealant. The cord must not be damaged during application.
Primer	EUROLASTIC TC 30 G traffic may only be applied to primed bonding surfaces as a basic principle. Absorbent substrates: EUROLASTIC Primer U12G traffic Non-absorbent substrates: EUROLASTIC Primer S2 Bare steel and galvanised surfaces: EUROLASTIC Primer ZM (without approval) after curing EUROLASTIC Primer S2 must be applied. See primer matrix for further information
Processing conditions	Material temperature for manual application: min. +10°C, max. +25°C Material temperature for mechanical application: min. +10°C, max. +60°C 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)

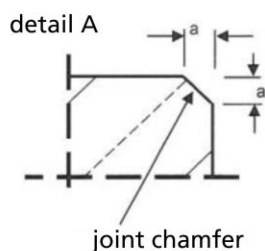
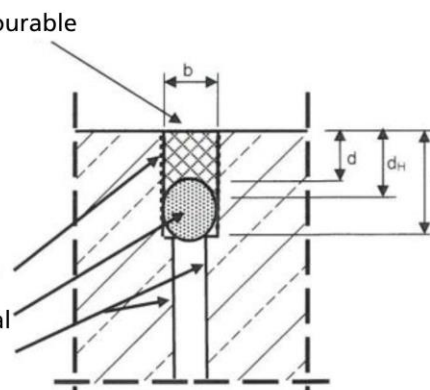
Handling

EUROLASTIC TC 30 G traffic is supplied with the correct proportions of components A and B. Both components must be completely combined and thoroughly mixed for at least 3 - 5 minutes using a suitable, slow-running stirrer at approx. 300 rpm. The mixing procedure must continue until a homogeneous, streak-free state is achieved. Fill a hand-held caulking gun with the mixture or place the container in a pressure tank with hose and nozzle. Due to the rapid reaction time and associated short pot life, we recommend processing with a 2-component mixing and dosing system.

trafficable joint assembly



non-trafficable joint assembly



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 _H
min.	10	10	15
max.	20	20	30

Non-trafficable			
	b	d	d _H
min.	10	10	15
max.	40	40	60



Cleaning

Fresh material can be removed from the tools with EUROLASTIC Cleaner G. Mechanical cleaning will be required if the material has fully cured.

Consumption	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

Packaging

EUROLASTIC TC 30 traffic is supplied in 4 l, 10 l and 200 l containers.
A and B components are packaged separately.

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 6 months.

Tests/ Approvals/Standards

- TL-Fug StB 01/ ZTV-Fug StB 01 (technical requirements for joint filling materials in traffic areas / additional contract conditions for joint filling materials in traffic areas)
- DIN EN 14188-2

Special instructions/protective measures

EUROLASTIC TC 30 G traffic 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 recycling 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 ³	1.50 - 1.55
Solid volume at +23°C	%	100
Viscosity at +23°C		pourable
Processing time at +23°C/50% relative humidity	min	15 - 30
Curing time at +23°C/50% relative humidity	h	2 - 4
Object and processing temperature	°C	from + 5 to + 35
Temperature resistance	°C	from - 40 to + 120

Mechanical properties	Unit	Value
Shore A hardness		approx. 24
Approved total deformation	%	35
Tensile stress at +23°C	N/mm ²	approx. 0.23
Tensile stress at -20°C	N/mm ²	approx. 0.30
Recovery capability	%	> 90
Chemical resistance	see chemical resistance list	

* 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), the curing times are halved.

The data was determined at +23°C and 50% relative humidity. These times may be longer or shorter at higher temperatures and/or relative humidities. 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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