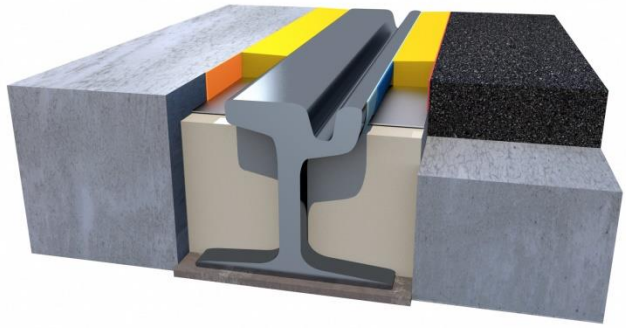
EUROLASTIC TC 30 G rail

rapid-hardening, 2-component, polysulphide rail grout, pourable, system-optimised



- Joint sealant: EUROLASTIC TC 30 G rail black
- Primer: EUROLASTIC Primer ZM
- Primer: EUROLASTIC Primer S2
- Primer: EUROLASTIC Primer U12G AS
- Primer: EUROLASTIC Primer U12G
- Separation tape: EUROTAPE rail
- Rail
- Cavity block

Product description

EUROLASTIC TC 30 G rail is a pourable, rapid hardening, chemical-resistant, system optimised 2-component, polysulphide-based (approx. 35 %) grout for sealing joints in the area of grooved rails.

Area of application

- for connection joints between building components/coverings and grooved rails that are subject to dynamic movements in addition to mechanical stress caused by pedestrian or vehicle traffic or movement due to changes in temperature
- new installation or renovation of platform and rail connection joints

Product characteristics

- fast-curing
- resilient
- 2-component, isocyanate and solvent-free
- can be processed mechanically
- resilient and durable over a wide temperature range (-40°C to +120°C)
- resistant to fuels, oils, de-icing salts and numerous other media in accordance with the chemical resistance list
- high notching resistance
- outstanding cold resilience

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- locally repairable (using cold vulcanising)
- UV-resistant and weatherproof
- tack-free, even at high temperatures

Colour	Black

Substrate preparation

Rails:
The rail bonding surfaces must be cleaned and solid substance/slag-blasted (cleanliness level SA 2½) before applying EUROLASTIC ZM primer.

Concrete:
The concrete bonding surfaces must be clean, free of oil and grease, dry and free of substances that could prevent adhesion before applying EUROLASTIC U12G traffic primer.

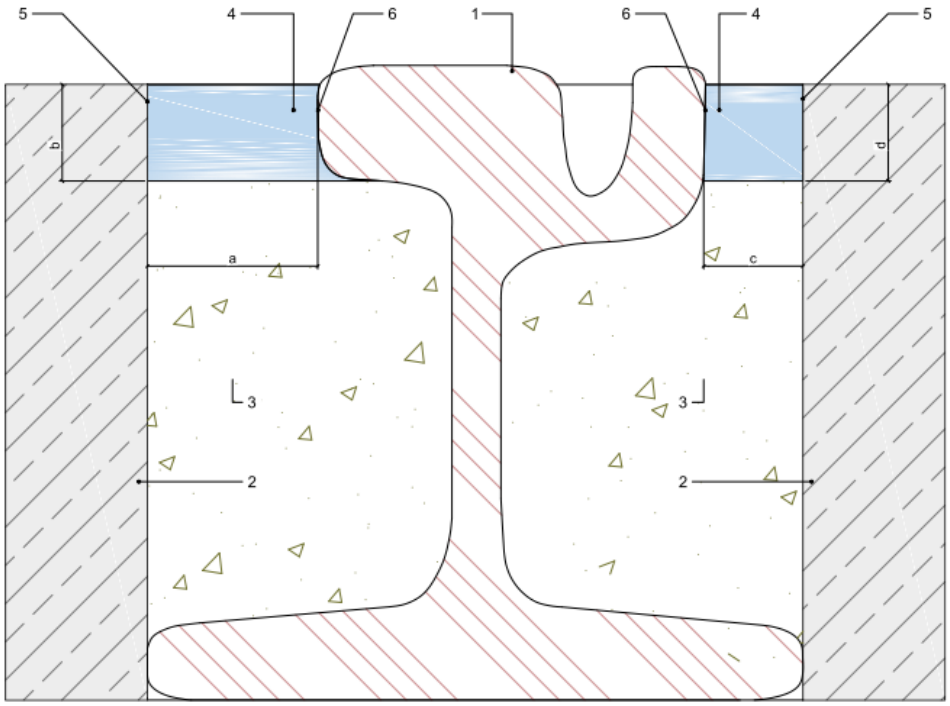
Mastic asphalt/asphalt or semi-rigid coverings:
Before applying EUROLASTIC U12G AS / EUROLASTIC primer, the bonding surfaces must be wet cut/ground with a diamond tool, clean, oil and grease free, dry and free of substances that could prevent adhesion.
If the joint slots had to be sawn, the joint flanks must always be blasted with solid material.
Cleaning the joint slot after blasting must only be carried out using oil-free compressed air or by suction using an industrial vacuum cleaner. It **must not** be brushed with a twisted wheel brush afterwards!!!
We recommend carrying out adhesion tests in advance as a basic principle, as the quality of bituminous coverings varies considerably.
EUROLASTIC TC 30 G rail may only be applied to primed bonding surfaces as a basic principle. Detailed information about the selection, ventilation and open time can be found in the primer matrix.

Backing

Before inserting the grout, the joint slots must be backfilled with trapezoid backer rod, EUROTAPE rail or EUROFILL NBR to avoid three-flank adhesion.

Primer	**EUROLASTIC TC 30 G rail** may only be applied to primed bonding surfaces as a basic principle. The following procedure is recommended in rail areas with mastic asphalt/asphalt pavement: After blasting the rail and asphalt flank with solid material, clean the joint slots using an industrial vacuum cleaner and install the required backing. In the first step, apply EUROLASTIC Primer ZM to the rails. Then apply EUROLASTIC U 12 G AS primer to the asphalt flank. After both primers cure (tack-free when touched with a finger), apply EUROLASTIC Primer S2 with a brush or a hand pump with a round jet nozzle. Make sure that the joint flanks are uniformly and completely wetted. After the EUROLASTIC Primer S2 flashes off (approx. 10 min), the sealant can be introduced. Absorbent substrates: EUROLASTIC Primer U 12 G traffic Non-absorbent substrates: EUROLASTIC Primer S 2 Bare steel/galvanised surfaces: EUROLASTIC Primer ZM, apply EUROLASTIC Primer S2 after curing. Mastic asphalt/asphalt: EUROLASTIC Primer U 12 G AS, apply EUROLASTIC Primer S2 after curing. 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 Ambient temperature between +5°C and +40°C 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.
Handling	<u>Manual application:</u> **EUROLASTIC TC 30 G rail** is supplied with the correct ratio 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. During this process, the material

temperature should be between +10°C and +25°C. The mixture can be poured directly from the container into the prepared joint or a hand-held caulking gun can be used, or the container can be placed in a pressure tank with hose and spray nozzle. Due to the rapid reaction time and associated short pot life, we recommend working with a 2-component mixing and dosing system.



Description:
1 Rail
2 Mastic asphalt
3 Cavity block
4 Joint sealant
5 Primer 1 asphalt (EUROLASTIC Primer U12G AS) / concrete (EUROLASTIC Primer U12G)
6 Primer 2 EUROLASTIC Primer ZM (corrosion protection) + EUROLASTIC Primer S2

Dimensions		
Variable	**Description**	**Dimensions**
a	Head of the rail – joint width	Je nach Einbausituation ca 50 to 60 mm
b	Head of the rail – joint depth	Ca 34 mm
c	Leitkopf – joint width	Ca 35 mm

d	Leitkopf – joint depth	Ca 34 mm

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 rail 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 rail 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 observed.

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	approx. 1.53
Viscosity at +23°C		pourable
Solid volume	%	100
Processing time at +23°C/50% relative humidity	min	20 - 35
Curing time at +23°C/50% relative	min	approx. 240
Object and processing temperature	°C	from + 5 to + 35
Temperature resistance	°C	from - 40 to + 120
Mechanical properties	**Unit**	**Value**
Shore A hardness		approx. 25
Approved total deformation	%	25
Tensile stress at +23°C	N/mm²	approx. 0.30
Tensile stress at -20°C	N/mm²	approx. 0.45
Recovery capability	%	> 90
Chemical resistance		
	see chemical resistance list	

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

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.