



## EUROLASTIC TC 30 G rail

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

**Product description**                      **EUROLASTIC TC 30 G rail** is a pourable, rapid hardening, chemical-resistant, system optimised 2-component, polysulphide-based grout for sealing joints in the area of grooved rails.

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**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

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**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

- locally repairable (using cold vulcanising)

- UV-resistant and weatherproof

- tack-free, even at high temperatures

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**Colour**    Black

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**Substrate preparation**                      Rails:  
The rail bonding surfaces must be cleaned and 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:

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 before applying EUROLASTIC U12G AS primer. We recommend carrying out adhesion tests in advance as a basic principle, as the quality of bituminous coverings varies considerably. To eliminate this problem from the outset, we recommend installation of a PC mortar wedge with EUROREPAIR PC96 AS before installing the bituminous cover layer as this subsequently acts as a stable, definable bonding surface for primer and sealant.

**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.

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**Backing**

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

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**Primer**

**EUROLASTIC TC 30 G rail** may only be applied to primed bonding surfaces as a basic principle.

Absorbent substrates:

EUROLASTIC Primer U 12 G traffic

Non-absorbent substrates:

EUROLASTIC Primer S 2

Bare steel/galvanised surfaces:

EUROLASTIC Primer ZM (without approval) after curing  
EUROLASTIC Primer S2 must be applied.

Mastic asphalt/asphalt:

EUROLASTIC Primer U 12 G AS

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.

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## Handling

Manual application:

**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.

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## Cleaning

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

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## 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



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<b>Packaging</b>	<b>EUROLASTIC TC 30 rail</b> is supplied in 4 l, 10 l and 200 l containers. A and B components are packaged separately.
<b>Storage and shelf life</b>	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.
<b>Tests/ Approvals/Standards</b>	<ul style="list-style-type: none"><li>- 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)</li><li>- DIN EN 14188-2</li></ul>
<b>Special instructions/protective measures</b>	<b>EUROLASTIC TC 30 G rail</b> 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.

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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>	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/mm <sup>2</sup>	approx. 0.30
Tensile stress at -20°C	N/mm <sup>2</sup>	approx. 0.45
Recovery capability	%	> 80
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.

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