

## EUROLASTIC TC 20 G black

approved 2-component polysulphide sealant, pourable  
with an approved total deformation of 35%



-  Joint sealant: EUROLASTIC TC 20 G
-  Primer: EUROLASTIC Primer U 12 G
-  Backing material: Round PE cord (closed-cell)

### Product description

**EUROLASTIC TC 20 G** is a pourable, resilient, polysulphide-based 2-component joint sealant suitable for processing with 2-component equipment.

### Area of application

- for indoor and outdoor use
- for road construction, e.g. highways, parking areas and taxiways

### Product characteristics

- cold elasticity to -40°C
- highly resistant to chemicals, e.g. fuels, oils, aircraft fuels, de-icing agents and numerous other media in accordance with the chemical resistance list
- very high UV, weathering and ageing resistance
- excellent resistance to notching and wear
- approved total deformation 35%

### Colour

Black

### Substrate preparation

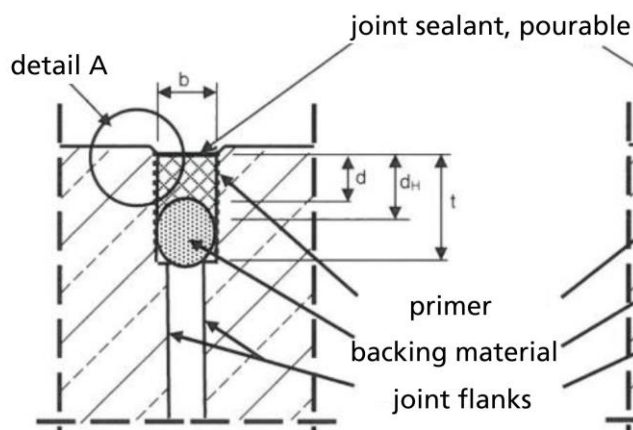
The substrate temperature must be between +5°C and +35°C, and the temperature of the bonding surfaces must be at least 3°C above the prevailing dew point temperature. At the time of jointing, the bonding surfaces must be clean, free of oil and



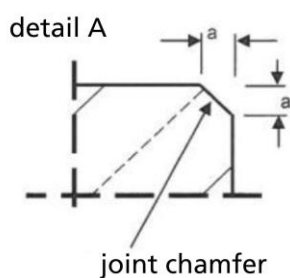
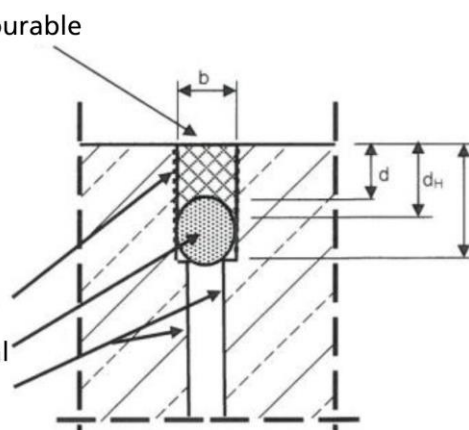
grease, dry and free of substances that could prevent adhesion.

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Backing</b>               | The joint space must be tightly and firmly backed with closed-cell polyethylene backer rod. The rod must not be damaged during application.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Primer</b>                | Basically, EUROLASTIC TC 20 G may only be applied to primed bonding surfaces.<br>Absorbent substrates:<br>EUROLASTIC Primer U12G/U12G AS/U12G traffic<br>Non-absorbent substrates:<br>EUROLASTIC Primer S2<br>Bare steel and galvanised surfaces:<br>EUROLASTIC Primer ZM (without approval) after curing<br>EUROLASTIC Primer S2 must be applied.<br>See primer matrix for further information                                                                                                                                                                                                                                                                            |
| <b>Processing conditions</b> | Material temperature for manual processing:<br>min. +10°C, max. +25°C<br>Material temperature for mechanical processing:<br>min. +10°C, max. +60°C<br>Ambient temperature between +5°C and +40°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Processing</b>            | <b>EUROLASTIC TC 20 G</b> is supplied with the correct ratio of components A and B. Add all of component B to component A and mix thoroughly with a slow agitator at approx. <b>300 rpm</b> . The mixing process must be carried out until a homogeneous, streak-free mixture forms. Do not mix for less than 3-5 minutes.<br>Place the mixture in a caulking gun or insert the container into a pressure tank with a hose and nozzle. The joint chamfer must not serve as a bonding surface when sealing the joint. Air bubbles that form on the surface during installation can be removed during the sealant processing time by gentle brushing with a dry, soft brush. |

## 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 <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.



## Consumption

| Joint width in mm | Joint depth in mm | Consumption in ml/m   |
|-------------------|-------------------|-----------------------|
| 8                 | 8                 | approx. 80            |
| 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 20 G** is delivered in 4 l, 10 l, 20 l and 200 l containers.

## 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

- TL-Fug StB 01/ ZTV-Fug StB 01
- DIN EN 14188-2

## Special instructions/protective measures

**EUROLASTIC TC 20 G** 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> | 1.49 - 1.53                    |
| Solid volume at +23°C                          | %                 | 100                            |
| Viscosity at +23°C                             |                   | Pourable                       |
| Processing time at +23°C/50% relative humidity | hrs               | 1 - 2                          |
| Curing time at +23°C/50% relative humidity     | hrs               | 15 - 24                        |
| Object and 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                     | %                 | 35                             |
| Tensile stress at +23°C                        | N/mm <sup>2</sup> | approx. 0.19                   |
| Tensile stress at -20°C                        | N/mm <sup>2</sup> | approx. 0.32                   |
| Recovery capability                            | %                 | > 85                           |
| 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), 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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