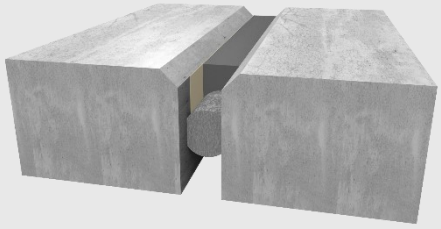
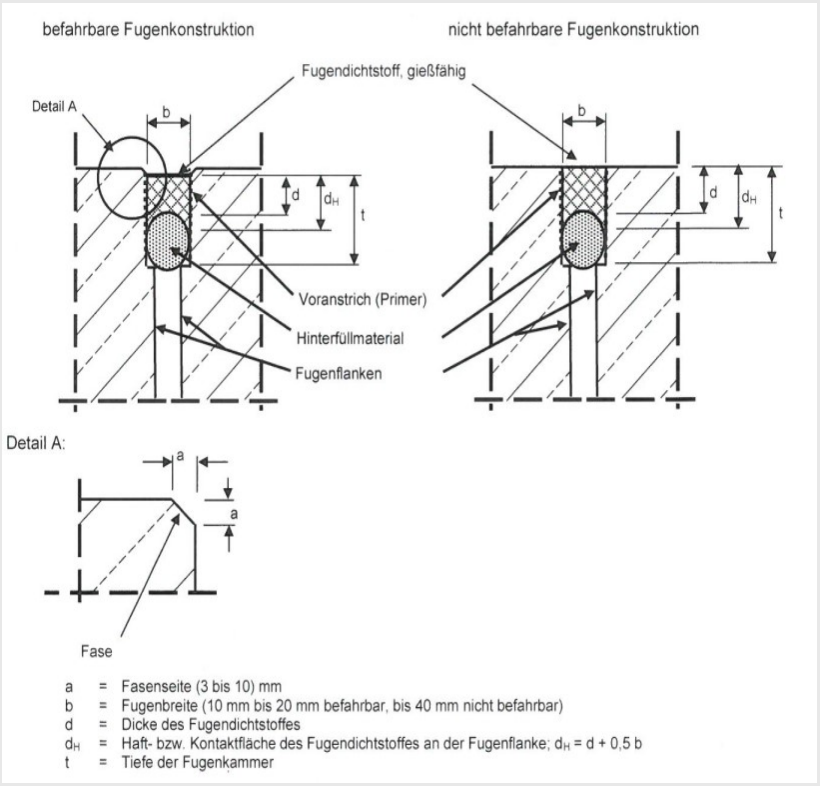
EUROLASTIC TC 30 G black

Building code-approved 2K polysulfide sealant, pourable



PRODUCT DESCRIPTION	EUROLASTIC TC 30 G is a pourable, highly chemical-resistant, elastic 2K joint sealant based on polysulfides Suitable for processing with 2K systems and manual application
SCOPE	- for indoor and outdoor use - for LAU facilities, filling stations, airfields, transport routes, production and - storage areas
PRODUCT FEATURES	- Cold elasticity down to -40 °C - Highly resistant to chemicals, e.g., fuels, oils, Aviation fuels, de-icing agents and a variety of other Media according to the chemical resistance list - very high UV, weather and aging resistance - high notch and wear resistance - ZGV 25%, reserves > 90%
COLORS	- black
SUBSTRATE PREPARATION	- The substrate temperature must be in the range of +5°C until +45 °C and the temperature of the bonding surfaces at least 3 °C above the prevailing dew point temperature. No residual adhesion of bituminous sealants, silicones or other sealants that are not polysulfide-based may remain on the joint flanks. Furthermore, as part of the substrate preparation, surfaces with - adhering cement/sinter skin, formwork surfaces, precast concrete elements, etc., must be pretreated by grinding or cutting with a diamond tool. The bonding surfaces must be clean, free of oil and grease, dry, and free of any substances that could impair adhesion at the time of grouting. Optimal cleaning of the joint edges before grouting is achieved using a joint brushing machine with a rotating round braided brush .

BACKFILL	The joint space must be tightly and firmly backfilled with closed-cell polyethylene round cord. This must not be damaged when applying the sealant.
primer	EUROLASTIC TC 30 G should only be applied to primed bonding surfaces. Absorbent surfaces: - EUROLASTIC Primer U12G Non-absorbent surfaces: EUROLASTIC Primer S2 - Bare steel and galvanized surfaces: - Apply EUROLASTIC Primer S2 after curing EUROLASTIC Primer ZM. - Further details: see primer matrix - -
PROCESSING CONDITIONS	- Material temperature during manual processing: - min. +10°C, max. +25°C - Material temperature during machine processing: - min. +10°C, max. +60°C
PROCESSING	- EUROLASTIC TC 30 G is supplied in the correctly balanced ratio of components A and B. Add the B component completely to the A component and mix thoroughly with a slow-running agitator at approximately 300 rpm. The mixing process must continue for at least 3–5 minutes until a homogeneous, streak-free state is achieved. Fill the mixture into a hand-held caulking gun or transfer the contents of the container to a pressure vessel with a hose and nozzle. When applying the sealant, the joint chamfer must not be used as a bonding surface. Air bubbles that form on the surface after installation can be opened within the sealant's working time by lightly brushing them with a dry, soft brush. The joint sealant must be installed in accordance with the CUAP "Joint Sealant Systems" – see the DIBt approval. With a mixing ratio of 100:20 by weight, both manual application and - processing with a two-component (2K) system are possible. With a mixing ratio of 1:1 by volume, processing with a two-component (2K) system is recommended exclusively.



Accessible with vehicles with pneumatic tires			
	B	d	dH
Min.	10	10	15
Max	20	20	30

Accessible by pedestrians			
	B	d	dH
Min.	10	10	15
Max.	40	40	60

CLEANING

The tools can be cleaned with EUROLASTIC Cleaner G from
Fresh material can be cleaned. Once reacted, it can only be cleaned mechanically.

CONSUMPTION

Joint width in mm	Joint depth in mm	consumption in ml/m
10	10	approximately 100
15	12 - 15	approx. 180 - 225
20	16 - 20	approximately 320 - 400
25	20 - 25	approximately 500 - 625
30	24 - 30	approximately 720 - 900
35	28 - 35	ca. 980 - 1225
40	32 - 40	ca. 1280 - 1600

PACKAGING

EUROLASTIC TC 30 G is supplied in 4 L, 10 L, 20 L and 200 L containers.

STORAGE AND SHELF LIFE

Store in cool and dry conditions
(+10°C to +25°C). Under these conditions, the shelf life in the unopened and undamaged original container is 12 months.

PRIMER/CONTACT MATERIALS

- EUROLASTIC TC 30 G should only be applied to primed bonding surfaces.

- Eurolastic Primer U12G - absorbent substrates:
  Concrete, fiber-reinforced concrete, cement-bound repair mortars and concretes (PCC systems)

- Eurolastic Primer S2- Non-absorbent surfaces:
  Polymer concrete based on UP resin, epoxy resin-based concrete repair mortar, uncoated and unalloyed steel, alloyed steel (stainless steel) with primer ZM coated surfaces

  Eurolastic Primer ZM - Corrosion protection primer:
  KTL-coated steel, unprotected steel, unalloyed steel,
  After the Primer ZM has cured, the EUROLASTIC Primer S2 must be applied.

EXAMS/ APPROVALS/STANDARDS

General building authority approval for use
- in LAU facilities abZ: Z-74.6-133
- TL-Fug StB 01
- ZTV-Fug StB 15
  DIN EN 14188-2

SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES	EUROLASTIC TC 30 G should only be processed in well-ventilated areas. Suitable protective equipment must be worn during work. Waste and containers must be disposed of safely. Avoid release to 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 SPECIFICATIONS	UNIT	VALUE
Material basis		Polysulfide/Manganese dioxide
Polymer content	%	> 40
Variant 100:20 Mixing ratio A : B	Weight T.	100 : 20
Variant 1:1 Mixing ratio A : B	Volume shares	1:1
Number of components		2-component
Density at +23°C	g/cm3	1.50 to 1.55
Solid volume at +23°C	%	100
Viscosity at +23°C		pourable/self-leveling
Processing time at +23°C/50% RH.	min	30 - 60
Curing time at +23°C/50% r.h.l.	h	12 - 48
Object and processing temperature	°C	from +5 up to +45

Temperature resistance	°C	from -40 until +120
MECHANICAL PROPERTIES	**UNIT**	**VALUE**
Shore A hardness	ShA	approx. 20
Permissible total deformation	%	25
Tensile stress value at +23°C	N/mm²	approx. 0.25
Tensile stress value at -20°C	N/mm²	approx. 0.35
Reserves	%	> 90
CHEMICAL RESISTANCE		
	see Chemical resistance list or building authority approval	

*These figures are guidelines only. They are not intended for creating specifications.

The data were obtained at +23°C and 50% relative humidity. Higher temperatures and/or higher relative humidity may shorten or lengthen these times. All technical data, dimensions, and information in this datasheet are based on laboratory tests. Actual measured data may differ in practice.