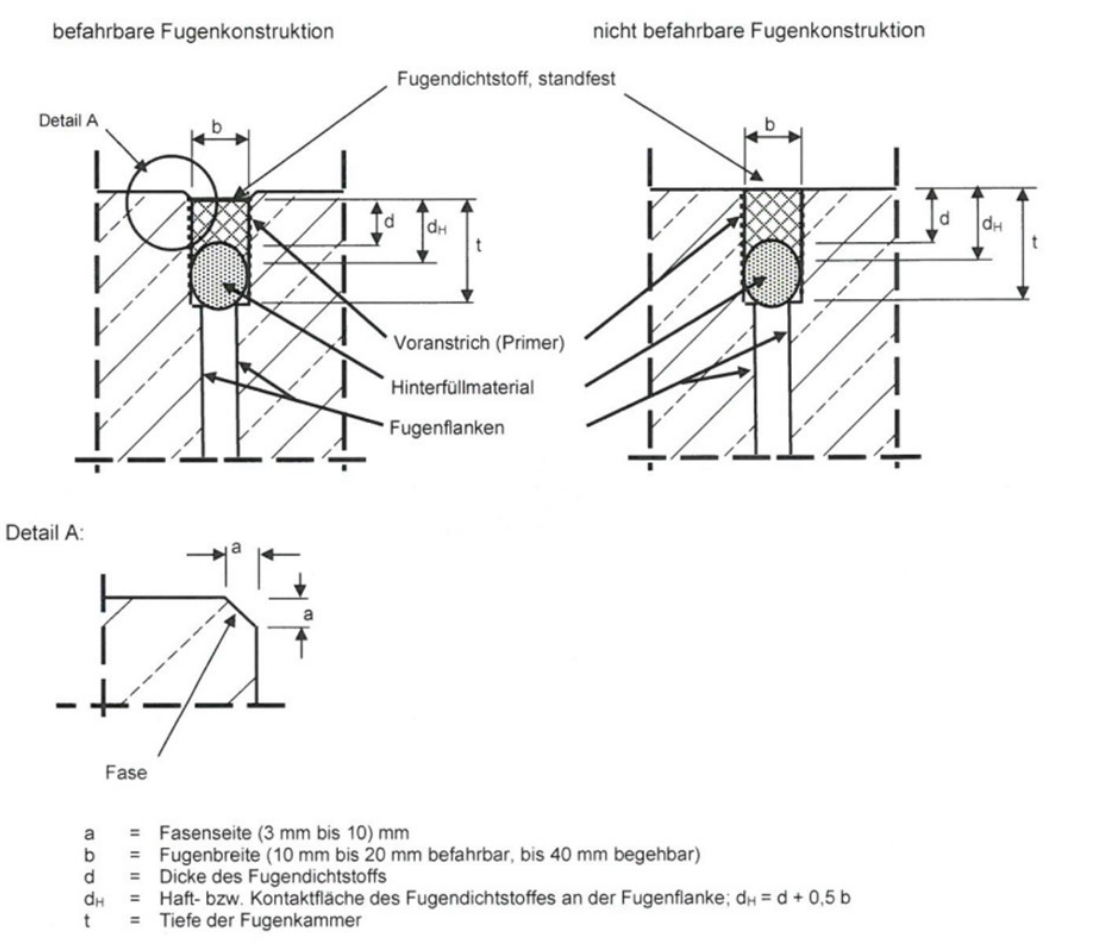
EUROLASTIC TK 61

2-component polysulfide sealant for building joints, non-sagging

PRODUCT DESCRIPTION	EUROLASTIC TK 61 is a high-quality, stable and particularly durable 2K joint sealant based on polysulfide.
SCOPE	- for outdoor use under demanding environmental conditions - for movement and connection joints in civil engineering and infrastructure construction - Suitable for horizontal and vertical joints in traffic areas as well as on wall and floor components - Can be used as an adhesive and sealant for joint tape systems in structural engineering.
PRODUCT FEATURES	- high notch and wear resistance - 2-component, isocyanate and solvent-free - elastic and durable over a wide temperature range (-40°C to +120°C) - very good chemical resistance - very high UV, weather and aging resistance - Partially repairable (by cold vulcanization) - excellent retention capacity of >80% - non-sticky even at high temperatures
COLORS	- Grey, Black
SUBSTRATE PREPARATION	The substrate temperature must be in the range of +5 °C to +35 °C and the temperature of the bonding surfaces must be at least +3 °C above the prevailing dew point temperature. The bonding surfaces must be clean at the time of grouting. It must be oil- and grease-free, dry, and free of any separating agents.
BACKFILL	Before applying the sealant, the joint chambers must be tightly and firmly backfilled with a closed-cell polyethylene cord to prevent three-sided adhesion and to determine the required sealant depth. This cord must not be damaged during application.

PRIMER	EUROLASTIC TK 61 should only be applied to primed bonding surfaces. Absorbent surfaces: - EUROLASTIC Primer B1 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	Subsurface temperature: between +5°C and +35°C Ambient temperature: between +5°C and +35°C The dew point must be taken into account! (+3°C above dew point)
PROCESSING	EUROLASTIC TK 61 is supplied with the correct ratio of component A and component B. Both components are already included in the packaging. Processing of 450 ml cartridges : Tools: Cartridge holder, cartridge mixer (spiral mixer), mixing device, 0.6l spray gun with cartridge piston Mixing and filling the gun: Clamp the cartridge in the cartridge holder. Insert the cartridge stirrer into the cartridge while rotating it, mix at approximately 300 rpm, and then pull it out while rotating it. Mix components A and B for at least 3-5 minutes. The cartridge rim must fit snugly against the pistol nozzle; use an additional sealing ring if necessary. Processing of 1L / 2.5L / 4L cans : Tools: Can holder (optional), can stirrer, suction disc with handle, mixing device, spray gun with suction piston (capacity of 0.6 – 1.5 l) Mixing and filling the gun: Clamp the can in the can holder (optional). Mix components A and B of the can for at least 3-5 minutes at approximately 300 rpm until a homogeneous, streak-free sealant is obtained. Insert the suction disc into the can, attach the gun to the suction disc, and draw up the material. Mask off the joint chamfers or edges with tape before applying the primer and installing the sealant. The primed joint surfaces must be completely dry before grouting; observe the primer's drying time. The sealant is injected into the joint from the bottom up to the chamfer, ensuring it is as bubble-free as possible. For wider joints, it is recommended to apply the sealant in layers. starting at the sides of the backing cord. Next, fill the remaining joint cross-section. The joint chamfer must not serve as an adhesive surface. Smooth the joint surface with a

smoothing spatula and remove the masking tape, if necessary using a brush with smoothing compound.
(e.g., neutral soap solution) moisten and smooth again.



Accessible with vehicles with pneumatic tires			
	b	d	dH
minimum.	10	10	15
max.	20	20	30

Accessible by pedestrians			
	b	d	dH
minimum.	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

Consumption as adhesive for EUTOTEK TK joint tape :
Multiplying the width of the joint tape to be bonded by a factor of 2 gives the approximate adhesive consumption in ml per linear meter.

PACKAGING

EUROLASTIC TK 61 is available in 450 ml cartridges as well as Supplied in 1L, 2.5L and 4L containers.
Components A and B are not separate.

STORAGE AND SHELF LIFE

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

SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES

EUROLASTIC TK 61 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.

EUROTEAM

TECHNICAL DATA *

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		Polysulfide/Manganese dioxide
Mixing ratio A : B	Weight T.	100 : 20
Number of components		2-component
Density at +23°C	g/cm3	1.50 to 1.55
Solid volume at +23°C	%	100
viscosity		thixotropic
Processing time at +23°C/50% RH.	h	0.5 – 2.0
Curing time at +23°C/50% r.h.l.	h	24 - 48
Object processing temperature	°C	from +5 to +35
Temperature resistance	°C	from -40 to +120
MECHANICAL PROPERTIES	**UNIT**	**VALUE**
Shore A hardness		approximately 20
Permissible total deformation	%	25
Tensile stress value at +23°C	N/mm²	approximately 0.20
Tensile stress value at -20°C	N/mm²	approximately 0.34
Reserves	%	> 80
Chemical resistance		**Chemical resistance**
		see Chemical resistance list

*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.