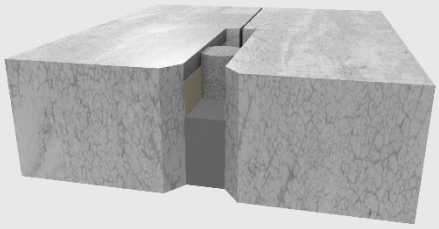
EUROTEAM

EUROLASTIC TC 30 S grey

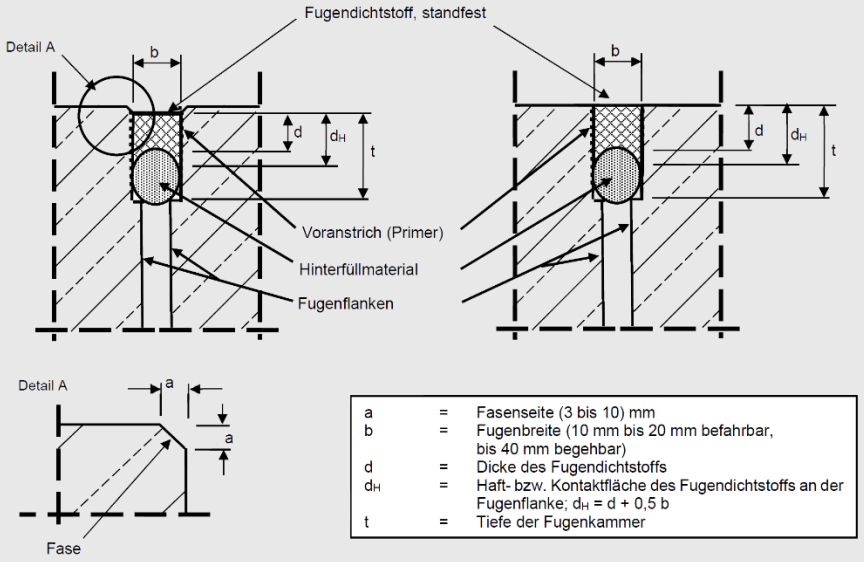
Building code-approved joint tape adhesive and 2-component polysulfide sealant, non-sagging, for use in LAU facilities



PRODUCT DESCRIPTION	EUROLASTIC TC 30 S grey is a stable, highly chemical-resistant 2-component joint sealant based on polysulfide , which is primarily used as a joint tape adhesive for the EUROTEK TK joint tape.
SCOPE	- for indoor and outdoor use - Sealing for water-polluting liquids (LAU facilities, filling stations) for horizontal and vertical floor and wall joints - for areas accessible by foot and vehicle (production areas, warehouses) - as adhesive for EUROTEK TK joint tape for WHG/LAU applications - for sealing gutter joints
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) - Resistant to fuels, oils, de-icing agents, aviation fuels as well as a variety of other media - very high UV, weather and aging resistance - Partially repairable (by cold vulcanization) - excellent reserve capacity of > 80% - non-sticky even at high temperatures
COLORS	Grey
SUBSTRATE PREPARATION	The substrate temperature must be in the range of +5°C to +45 °C and the temperature of the bonding surfaces at least 3 °C above the prevailing dew point temperature. 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	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/CONTACT MATERIALS	EUROLASTIC TC 30 S grey 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 - Ultra-high performance concrete up to C100/115 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.
PROCESSING CONDITIONS	- Subsurface temperature: between +5 °C and +35 °C. Ambient temperature: - between +5 °C and +40 °C. The dew point must be taken into account! (+3 °C above the dew point)
PROCESSING	EUROLASTIC TC 30 S grey is supplied with the correct ratio of component A and component B. Both components are already included in the packaging. Processing 450 ml cartridges: Tools: Cartridge holder, cartridge stirrer (spiral stirrer), mixing device, 0.6 l spray gun with cartridge plunger. mixing and filling the gun: Clamp the cartridge in the cartridge holder. Insert the cartridge stirrer into the cartridge while rotating it, mix at approx. 300 rpm, and then withdraw it while rotating. Mix components A and B for at least 3-5 minutes. The cartridge rim must fit tightly against the gun nozzle; use an additional sealing ring if necessary.

Processing 1 L / 2.5 L / 4 L 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 one 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, place the gun on 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 dust-dry before grouting; observe the primer's drying time. Inject the sealant 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 backer rod. The remaining joint cross-section is then filled. The joint chamfer must not serve as a bonding surface. Smooth the joint surface with a trowel and remove the masking tape. If necessary, moisten a brush with a smoothing agent (e.g., neutral soap solution) and smooth again. The joint sealant must be installed in accordance with the CUAP guidelines for joint sealants. See the DIBt approval.



a	=	Fasenseite (3 bis 10) mm
b	=	Fugenbreite (10 mm bis 20 mm befahrbar, bis 40 mm begehbar)
d	=	Dicke des Fugendichtstoffs
d_H	=	Haft- bzw. Kontaktfläche des Fugendichtstoffs an der Fugenflanke; $d_H = d + 0{,}5\ b$
t	=	Tiefe der Fugenkammer

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

	They can be cleaned with fresh material. Once they have reacted, they can be... They can only be cleaned mechanically.
CONSUMPTION	<table><tr><th>Joint width in mm</th><th>Joint depth in mm</th><th>consumption in ml/m</th></tr><tr><td>10</td><td>10</td><td>approximately 100</td></tr><tr><td>15</td><td>12 - 15</td><td>approx. 180 - 225</td></tr><tr><td>20</td><td>16 - 20</td><td>approximately 320 - 400</td></tr><tr><td>25</td><td>20 - 25</td><td>approximately 500 - 625</td></tr><tr><td>30</td><td>24 - 30</td><td>approximately 720 - 900</td></tr><tr><td>35</td><td>28 - 35</td><td>ca. 980 - 1225</td></tr><tr><td>40</td><td>32 - 40</td><td>ca. 1280 - 1600</td></tr></table> Consumption of adhesive for EUTOTEK TK joint tape: The width of the joint tape to be glued, multiplied by a factor of 2, gives the approximate adhesive consumption in ml per linear meter.
PACKAGING	EUROLASTIC TC 30 S grey is supplied in 450 ml cartridges as well as 1 L, 2.5 L and 4 L 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.
EXAMS/ APPROVALS/STANDARDS	EUROLASTIC TC 30 S complies with the general building authority approvals issued by the DIBt: - Z-74.6-127 - Z-74.5-126 (EUROTEK TK joint tape WHG)
SPECIAL INSTRUCTIONS/PROTECTIVE MEASURES	EUROLASTIC TC 30 S grey should only be applied in well-ventilated areas. Appropriate 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 recycled. KBS/Interseroh. The instructions in the corresponding safety data sheet must be strictly observed.

EUROTEAM

List of liquids against which the joint sealing system is impermeable and chemically resistant, and which can be driven over by vehicles with pneumatic tires.

Group No.	approved liquids [1]) for the plant operating modes [2]) Storage (L), Filling (A) and Transferring (U) according to stress level* low (1), medium (2) and high (3)	Operating mode and level[2])
1[3])	Gasoline fuels according to DIN EN 228 with a maximum (bio)ethanol content of 5% by volume according to DIN EN 15376	LAU2
1a[3])	Petrol fuels according to DIN EN 228 with the addition of biofuel components according to Directive 2009/28/EC up to a total content of 20% by volume	
2[3])	aviation fuels	
3	- Heating oil EL according to DIN 51603-1, - unused combustion engine oils and motor vehicle transmission oils, - Mixtures of saturated and aromatic hydrocarbons, characterized by an aromatic content of ≤ 20 wt.% and a flash point > 60 °C	
3b[3])	Diesel fuels according to DIN EN 590 with the addition of fatty acid methyl esters (FAME) according to DIN EN 14214 up to a total content of max. 20% by volume	
3c[3])	Diesel fuel blends according to DIN EN 16709 with a high proportion of fatty acid methyl esters (FAME) up to a total content of max. 30 vol.%	
4	(Walkable) all hydrocarbons, as well as benzene-containing mixtures with a total content of max. 5 vol.% benzene, except fuels	LAU1
4a	Benzene and benzene-containing mixtures	LAU2
4b	Crude oils	
4c	Used combustion engine oils and used motor vehicle transmission oils with a flash point > 60 °C	
5	Monohydric and polyhydric alcohols with a maximum of 48% by volume methanol and ethanol (in total), glycols and polyglycols, their monoethers and their aqueous mixtures	
5a	all alcohols and glycol ethers as well as their aqueous mixtures	
5b	Monohydric and polyhydric alcohols ≥ C2 with max. 48 vol% ethanol and their aqueous mixtures	
5c	Ethanol including ethanol according to DIN EN 15376 (regardless of the manufacturing process) as well as their aqueous solutions	
7	organic esters and ketones, except fatty acid methyl esters (FAME)	LAU1
7a	aromatic esters and ketones, except fatty acid methyl esters (FAME)	LAU2
7b[3])	Biodiesel according to DIN EN 14214	
8	Aqueous solutions of aliphatic aldehydes up to 40%	
9	Aqueous solutions of organic acids (carboxylic acids) up to 10% and their salts (in aqueous solution), except lactic acid and formic acid	
10	inorganic acids up to 20% and acid hydrolyzing, inorganic salts in aqueous solution Solution (pH < 6), except hydrofluoric acid and oxidizing acids and their salts	
11	Inorganic alkalis and alkaline hydrolyzing inorganic salts in aqueous solution (pH > 8), excluding ammonia solutions and oxidizing solutions of salts (e.g. hypochlorite)	
12	Aqueous solutions of inorganic non-oxidizing salts with a pH between 6 and 8	
13	Amines and their salts (in aqueous solution)	
14	aqueous solutions of organic surfactants	LAU2

Single liquid:		
---	Skydrol LD 4	
---	Sodium formate- based de-icing agents , e.g. " Pergrip Run NF"	
---	Potassium formate-based de-icing agents , e.g. " Pergrip Run KF"	
---[3])	Paraffinic diesel fuel "XTL" according to DIN EN 15940, edition July 2023, (e.g. HVO)	
---[3])	Urea up to 35% in aqueous solution	LA3/U2

1) Unless otherwise stated, the listed liquids are either technically pure substances or mixtures of technically pure substances of the respective group, but not mixed with water, unless otherwise indicated.

2) DWA-A-786 worksheet, Technical Rules for Substances Hazardous to Water (TRwS), Design of Sealing Surfaces; DWA (version October 2020)

3) applicable in filling stations in accordance with TRwS 781 to TRwS 784 (worksheets DWA-A 781:2024-01, DWA-A 782:2006-05, DWA-A 783:2005-12 and DWA-A 784:2006-04, Technical Rules for Substances Hazardous to Water (TRwS), filling stations for motor vehicles, rail vehicles, water vehicles and aircraft)

TECHNICAL DATA*

TECHNICAL SPECIFICATIONS	UNIT	VALUE
Material basis		Polysulfide/Manganese dioxide
Polymer content	%	over 40
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 at +23°C		thixotropic
Processing time at +23°C/50% RH .	h	0.5 – 2.0
time at +23°C/50% r.l.h.	h	24 - 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		approx. 20
Permissible total deformation	%	25
Tensile stress value at +23°C	N/mm²	approx. 0.20
Tensile stress value at -20°C	N/mm²	approx. 0.34
Reserves	%	> 80
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.