



KÖSTER TPO 2.0 SK (FR)

Technical Data Sheet RT 820 SK (FR)

Prod. code RT 919 004

Issued: 2025-10-16

Investigation Report 1201/016/16 DIN EN 13956 MPA Braunschweig Investigation Report 5278/015/14 DIN EN 13967 MPA Braunschweig Certificate of Conformity of Factory Production Control 0761-CPR-0422/0423 MPA Braunschweig Fish test A14-02548 BMG Zurich Investigation Report 1615/1616 based on ETAG 006 Institut Würfel

Polyolefin based waterproofing membrane with centrally embedded glass fleece and special self-adehered fleece laminated underside

Features

- fast and easy installation
- self-adhesive on many substrates
- very economical
- maximum safety against wind suction forces
- single layer waterproofing
- with improved flame-resistant properties
- for direct adhesion to EPS insulation
- fulfills requirements for "hard roofs" and classified as Broof (t1) and Broof (t4)
- uniform material quality (no difference between upper and lower side)
- homogeneous seam bonding with hot air welding
- temperature and weather resistant
- aging and rot resistant
- high cold flexibility (≤ -50 °C)
- UV-stable
- root resistant
- compatible with bitumen
- compatible with polystyrene
- suitable for all types of insulation
- resistant against normal mechanical stresses
- resistant to microorganisms and rodent attack
- environmentally friendly
- free of softeners and chlorine
- safe for health, water, soil, and plants
- recyclable

Technical Data

Refer to last page

Fields of Application

KÖSTER TPO SK Roofing and Waterproofing Membranes are used to waterproof unventilated and ventilated flat roofs, pitched roofs, green roofs, terraces, balconies, roof gardens and underground garages with ballast and in cases of direct exposure to weathering. KÖSTER TPO SK Roofing and Waterproofing Membranes can be used for the waterproofing of wet rooms and tanks. The installation in building waterproofing according to DIN 18195, DIN 18531-18535 is possible.

Application

Please refer to the Installation Instructions of KÖSTER BAUCHEMIE AG for correct application of KÖSTER TPO Roofing and Waterproofing Membranes.

Packaging

RT 820 105 SK FR

2.0 mm x 1.05 m x 20 m

Other

For the manufacturer's warranty of KÖSTER BAUCHEMIE AG for TPO roofing membranes, the inspection of and compliance with the KÖSTER Roof Inspection and Maintenance Manual is mandatory.

Related products

KÖSTER Bar for membrane fastening

KÖSTER TPO SK Prim	ner	Prod. code RT	103	012
KÖSTER TPO 2.0 U		Prod. code RT	820	U
KÖSTER External Corn	er light grey 90	Prod. code RT	901 (001
degrees				
KÖSTER Internal Corne	er light grey 90	Prod. code RT	902 (001
degrees				
KÖSTER TPO Metal Co	omposite Sheet	Prod. code RT	910 (002
light grey				
KÖSTER TPO Metal Co	omposite Coil light	Prod. code RT	910 (030
grey				
KÖSTER Wall connecti	on profile 60 mm	Prod. code RT	919 (003
degrees KÖSTER Internal Corne degrees KÖSTER TPO Metal Ce light grey KÖSTER TPO Metal Ce	er light grey 90 omposite Sheet omposite Coil light	Prod. code RT Prod. code RT Prod. code RT	902 (910 (00 00 03

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjusted to summer to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

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KÖSTER TPO 2.0 SK (FR) 1/2



	KÖSTER BAUCHEMIE AG		
	Dieselstraße 1-10, 26607 Aurich		
	KÖSTER TI	PO 2.0 SK (FR)	
	EN 13956 0	761-CPR-0422	
0761	EN 13967 0	761-CPR-0423	
15	Polyolefin FPO (PE) based waterp	roofing membrane with central glass	
		ce laminated underside	
Length according to DIN EN 1848-2	20 m		
Width according to DIN EN 1848-2	1.05 m		
Effective thickness according to DIN EN 1849-2	2.00 mm		
Total thickness DIN EN 1849-2	2.35 mm		
	DIN EN 13956: 2012	DIN EN 13967:2004	
	waterproofing of flat and sloped	Moisture Barrier Type T	
	roofs.	7,00	
	1.50.0.		
Designation according SPEC 20000-201 and SPEC	DE/E1-FPO-BV-E-GV-2,0-SK	BA-FPO-BV-E-GV-2,0-SK	
20000-202			
Color	light grey	light grey	
Visible Defects according to DIN EN 1850-2	free from visible defects	free from visible defects	
Straightness according to DIN EN 1848-2	≤ 50 mm	≤ 50 mm	
Flatness according to DIN EN 1848-2	≤ 10 mm	_ 00 11111	
Mass per unit area according to DIN EN 1849-2	2370 g /m²	2370 g /m ²	
Water tightness according to DIN EN 1928 (Method B)	400 kPa/72h watertight	400 kPa/72h watertight	
Exposure to liquid chemicals, including water according to	passed (Method B)	watertight (Method A)	
DIN EN 1847	passed (Method B)	watertight (Method 71)	
Exposure to external fire according to DIN CEN/TS 1187; DIN	Broof(t1) 1)	_	
4102-7; DIN EN 13501-5	Biooi(t1)		
Reaction to fire	Class E	Class E	
Resistance to hail according to DIN EN 13583	Oldos E	Oldoo E	
Rigid substrate	≥ 35 m/s	_	
Soft substrate	≥ 43 m/s		
Peel resistance of the overlap according to	> 400 N/50mm ²⁾	_	
DIN EN 12316-2	2 400 W/00Hilli		
Shear resistance of the overlap according to DIN EN	Failure beyond the overlap ²⁾	Failure beyond the overlap ²⁾	
12317-2	andre beyond the overlap	r andre beyond the overlap	
Water vapor diffusion resistance according to DIN EN 1931	μ = 85.000; Sd = 170 m	μ = 85.000; Sd = 170 m	
Tensile characterisites according to DIN EN 12311-2	μ – 00.000, 0α – 170 111	μ – 55.000, 5α – 170 ΙΙΙ	
Tensile strength	≥ 850 N/50 mm (Method A)	≥ 850 N/50 mm (Method A)	
Elongation at break	≥ 40 % (Method A)	≥ 40 % (Method A)	
Resistance to shock loads according to DIN EN 12691		= 40 /0 (INICILIOU A)	
Method A	≥ 800 mm	≥ 800 mm	
Method B	≥ 1750 mm	≥ 1750 mm	
Resistance to static loading according to DIN EN 12730		= 1750 Hilli	
Method A	≥ 20 kg	≥ 20 kg	
Method B	≥ 20 kg	≥ 20 kg ≥ 20 kg	
Tear continuation resistance according to DIN EN 12310-2	≥ 20 kg ≥ 300 N	≥ 20 kg ≥ 300 N	
Root penetration resistance ³⁾	given	= 000 IV	
Dimensional stability according to DIN EN 1107-2	given ≤ 0.2 %	- ≤ 0.2 %	
Folding at low temperatures	≤ 0.2 % ≤ - 50°C	⊇ V.	
according to DIN EN 495-5	= 55 5		
Behavior under UV irradiation, elevated temperatures, and	passed: Level 0	_	
water according to DIN EN 1297 (5000 h)	passeu. Level u	-	
	nassed	_	
Ozone resistance according to DIN EN 1844	passed	- watertight	
Exposure to bitumen according to DIN EN 1548	passed	3	
Durabilty against heat storage	watertight	watertight	
according to DIN EN 1296, DIN EN 1928 (Method A) 1) Requirements are met for roofs tested by KÖSTER in Germany. Further information can be requested from KÖSTER.			

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Requirements are met for roofs tested by KÖSTER in Germany. Further information can be requested from KÖSTER.
 Value measured under laboratory conditions in accordance with EN 12316-2 and EN 12317-2. In addition to the product preak outside the joint seam (also under construction site conditions).
 3) Applies only to green roofs.