



PRODUCT NAME
RESISTIT® ESK

RESISTIT® ESK waterproofing membranes are made of high-performance EPDM and are reinforced with a glass fiber insert in the center. The underside is coated with a self-adhesive, polymer-modified bitumen layer. The self-adhesive bitum...

DECLARED UNIT
1 m²

GWP TOTAL (A1-3)
5.50 kg CO2e

CORE INDICATORS

Indicator	Unit	A1-3	A4	A5	C1	C2	C3	C4	D
GWP-total	kg CO ₂ -eq.	5.50	0.23	1.84	0	8.81e-03	2.45	0.07	-1.31
GWP-fossil	kg CO ₂ -eq.	5.33	0.23	1.61	0	8.80e-03	2.44	0.07	-1.27
GWP-biogenic	kg CO ₂ -eq.	0.15	1.14e-04	0.23	0	4.42e-06	2.19e-03	1.64e-03	-0.03
GWP-luluc	kg CO ₂ -eq.	0.02	8.07e-05	2.69e-03	0	3.13e-06	2.54e-05	1.53e-06	-1.14e-03
ODP	kg CFC-11-Eq	3.33e-07	4.74e-09	3.23e-06	0	1.83e-10	8.03e-10	2.57e-10	-3.98e-08
AP	mol H+-Eq	0.02	5.37e-04	6.52e-03	0	2.08e-05	3.79e-04	5.27e-05	-3.04e-03
EP-freshwater	kg P-Eq	1.46e-03	1.60e-05	3.62e-04	0	6.20e-07	9.15e-06	5.29e-07	-6.18e-04
EP-marine	kg N-Eq	3.81e-03	1.41e-04	1.21e-03	0	5.45e-06	1.62e-04	1.60e-03	-6.77e-04
EP-terrestrial	mol N-Eq	0.04	1.52e-03	0.01	0	5.90e-05	1.59e-03	2.34e-04	-6.35e-03
POCP	kg NMVOC-Eq	0.02	9.32e-04	7.06e-03	0	3.61e-05	4.18e-04	1.05e-04	-4.11e-03
ADPE	kg Sb-Eq	6.05e-05	6.49e-07	1.38e-05	0	2.52e-08	2.59e-07	1.75e-08	-8.24e-06
ADPF	MJ, net calorific value	136.83	3.41	36.76	0	0.13	0.44	0.18	-26.51
WDP	m³ world Eq deprived	1.91	0.02	0.46	0	6.64e-04	0.13	1.26e-03	-0.39

GWP-total: Global Warming Potential - total **GWP-fossil:** Global warming potential - fossil **GWP-biogenic:** Global Warming Potential - biogenic **GWP-luluc:** Global Warming Potential - luluc **ODP:** Depletion potential of the stratospheric ozone layer **AP:** Acidification potential, Accumulated Exceedance **EP-freshwater:** Eutrophication potential - freshwater **EP-marine:** Eutrophication potential - marine **EP-terrestrial:** Eutrophication potential - terrestrial **POCP:** Photochemical Ozone Creation Potential **ADPE:** Abiotic depletion potential - non-fossil resources **ADPF:** Abiotic depletion potential - fossil resources **WDP:** Water (user) deprivation potential

SCOPE
Cradle to gate with options A4,
A5, C1, C2, C3, C4 and D

PLANT LOCATION
DE02 DE05 in Waltershausen,
Germany

REFERENCE YEAR
2024

LCA calculated according to ISO 14040 and ISO 14044.

This LCA is based on available data, methodologies, and assumptions at the time of the analysis. While every effort has been made to ensure accuracy, variations in regional practices, data availability, and operational changes may result in differences in actual emissions. Therefore, the results should be interpreted as indicative rather than absolute. The company assumes no legal liability or responsibility for any consequences that may arise from the use of this information.