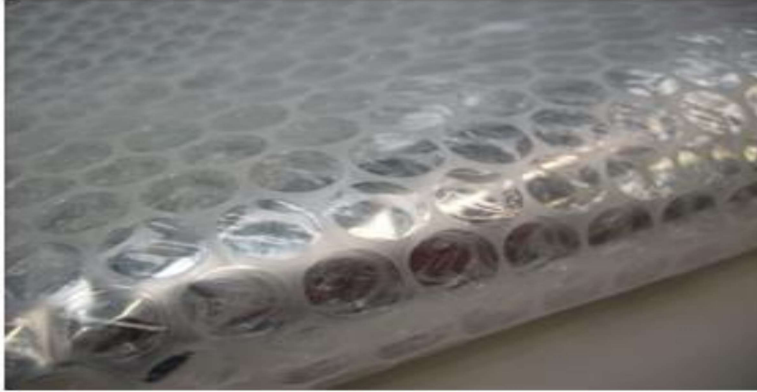


# The reflective insulation



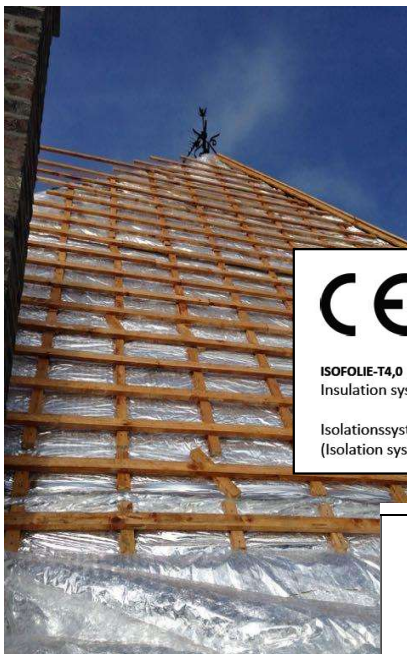
## Advantages for the user

- DIN EN ISO standard 6946 compliant calculation
- Interior application and exterior application
- enables slender building constructions
- simple installation
- heat reflection radiation into the room
- heat reflection effect against solar radiation
- high heating cost savings
- Constant reflection values even after years, as the reflective layer is protected from dust and further contamination protected.
- R-value of 1.00 to 7.035 (m<sup>2</sup>K/W) for wall and roof.
- U-value of 0.142 to 1.00 W/(m<sup>2</sup>K) for wall and roof
- prevents thermal bridges
- can be used as a vapor barrier
- Reflects up to 99% of solar radiation and thermal radiation
- thermal conductivity lambda = 0.0199 (W/mK) according to EN12667
- no toxic outgassing
- no moisture absorption
- low primary energy requirement

## ISOFOLIE for roof and walls

ISOFOLIE is used to reduce and prevent solar radiation or heat radiation losses, as well as transmission heat losses. It can be used in the roof area and in the wall area to reduce cooling and heating loads.

Specially manufactured air-cushion and highly reflective aluminum-vaporized films give ISOFOLIE exceptional and outstanding properties in interior and exterior applications. Particularly noteworthy is the thermal conductivity with the thermal conductivity coefficient Lambda = 0.0199 (W/mK) and the property of reflection of up to 99% of solar and thermal radiation. The primary energy demand in the production of ISOFOLIE is reduced by up to 70 times compared to the primary energy demand of conventional insulation materials.



ISOFOLIE enables slim building constructions with the same insulation performance. The ISOFOLIE is calculated according to DIN EN ISO 6946 with the energy demand calculation software from Hottgenroth.

CE<sub>16</sub>

Ref: 4010

**ISOFOLIE-T4,0**  
Insulation system covered with a 9.5 mm paper faced plasterboard

Isolationssystem für Dach und Wandpaneele  
(Isolation system for roof and wall panels)



	Lambda (W/mK)	Width x length in m and m <sup>2</sup> /roll	Thickness mm	Weight gram / m <sup>2</sup>	R-value (m <sup>2</sup> K/W)	U-value W/(m <sup>2</sup> K)	Primary energy demand
ISOFOLIE T1	≥0,0199	1,2 x 12,5 / 15	≤20	200	≤1,005	≥0,995	1
ISOFOLIE T2	≥0,0199	1,2 x 8,4 / 10	≤40	400	≤2,010	≥0,497	2
ISOFOLIE T3	≥0,0199	1,2 x 8,4 / 10	≤60	600	≤3,015	≥0,331	3
ISOFOLIE T4	≥0,0199	1,2 x 8,4 / 10	≤80	800	≤4,020	≥0,248	4
ISOFOLIE T5	≥0,0199	1,2 x 5 / 6	≤100	1000	≤5,025	≥0,199	5
ISOFOLIE T6	≥0,0199	1,2 x 5 / 6	≤120	1200	≤6,030	≥0,165	6
ISOFOLIE T7	≥0,0199	1,2 x 5 / 6	≤140	1400	≤7,035	≥0,142	7



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λ-value 0.0199 (W/mK) according to EN12667 - determined with T4 by officially recognized test center -. T1 to T7 extrapolated  
Further reflective insulation dimensions on request