



Version :
October 2010



ULTIMATE U Solar

Solar Insulation

Application:

Product designed for insulation in thermal solar collectors.
Suitable for flat single glazed ventilated collector, with standard or reflective glass, and working temperatures up to 220 °C.

Material:

Mineral wool unrisky regarding health according to guideline EU 97/69 Nota Q, German decree on dangerous substances and decree on prohibition of chemicals. Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e. V.
Free of sulfite, chromium and sulphur.
Mineral wool without slugs.

Product tested in official SPF institute (Switzerland): **no fogging** and **no condensate precipitation** on the glass.

Product range: U Solar 1.5 N, U Solar 2.0 N, U Solar 2.5 N, U Solar 3.5 N

Thermal performances:



Thermal conductivity, according EN 12 667

T [°C]	10	100	200
λ [W/(m.K)]	below 0,035	below 0,060	below 0,095

Specific thermal capacity C around 1 kJ/(kg.K).

Service temperature:



Service temperature up to 300 °C, with stable dimensions.

ISOVER

ULTIMATE U Solar

Solar Insulation



Fire reaction:

Non combustible, fire class A1, according EN 13 501.



Water vapour transmission:

Water vapour transmission $\mu = 1$, according EN 12 086.

Facing:

Unfaced product.

Dimensions / Packaging:

Dimensions (length, width) under request.
Thickness from 30 to 120 mm.

Packaging: Slab, roll or easy-roll.

Easy-roll concept: multiple pre-cut slabs, rolled and compressed in a roll.

Easy handling: no cutting necessary, slabs with dimensions adjusted to request.

Products must be stored inside.



ISOVER