

## U Solar 2.5 N Solar Insulation

### **Application**

ULTIMATE 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.



**Thermal Insulation** Excellent thermal insulation



#### **Best Light Transmittance**

ISOVER Solar products are specially designed to avoid any fogging deposit or any condensation on the glazing even with stagnant high temperature in the collector



#### Fast Installation

Easy handling : user-friendly insulation with ISOVER Solar, excellent logistical efficiency







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| Characteristic               | Symbol | Unit        | Quantities and measured values  |       |       |       |       |       |           |
|------------------------------|--------|-------------|---|-------|-------|-------|-------|-------|-----------|
| Application fields           | -      | -           | Product suitable for flat single glazed ventilated collector, with standard or reflective glass, and working temperatures up to 220 $^\circ C$  |       |       |       |       |       | -         |
| Material                     | -      | -           | Mineral wool with quality mark EUCEB & RAL by the Gütegemeinschaft Mineralwolle e. V.,<br>unrisky regarding health according to German decree on dangerous substances,<br>decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.  |       |       |       |       |       | -         |
| Thermal conductivities       | Т      | [°C]        | 10  | 50    | 100   | 150   | 200   | 250   | EN 12 667 |
|                              | N,R    | [W/(m•K)]   | 0.033   | 0.039 | 0.048 | 0.059 | 0.072 | 0.088 |           |
| Thermal behaviour            | -      | -           | Service temperature up to 220 °C, with stable dimensions.<br>Binder decomposition starting from 150 °C.   |       |       |       |       |       | AGI Q 132 |
| Behaviour in fire            | -      | -           | Non combustible, fire class A1  |       |       |       |       |       | EN 13 501 |
| Specific thermal capacity    | с      | [kJ/(kg•K)] | ~1  |       |       |       |       |       | -         |
| Water vapour<br>transmission | μ      | -           | 1   |       |       |       |       |       | EN 12 086 |
| Chemical behaviour           | -      | -           | Free of sulfite, chromium and sulphur   |       |       |       |       |       | -         |
| Facing                       | -      | -           | Unfaced product   |       |       |       |       |       | -         |
| Fogging                      | -      | -           | Product tested in official SPF institute (Switzerland):<br>no fogging and no condensate precipitation on the glass  |       |       |       |       |       | -         |
| Characteristics              | -      | -           | Mineral wool without slugs  |       |       |       |       |       | -         |
| Delivery form                | -      | -           | Dimensions (length, width) under request<br>Thickness from 30 to 120 mm<br>Easy-roll concept: Packaging with multiple pre-cut slabs, rolled and compressed in a roll<br>Easy handling: no cutting necessary, slabs with dimensions adjusted to request<br>Also available as standard rolls or slabs<br>12 rolls per pallet<br>Rolls and pallets must be stored inside |       |       |       |       |       | -         |

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www.isover-technical-insulation.com

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