



# U SeaProtect Roll 56 V1



## Rolls glass veil faced – Density 56 kg/m<sup>3</sup>

ULTIMATE mineral wool provides a unique high-performance profile: It combines safety, comfort and ease of handling.



### FIRE RESISTANCE

ULTIMATE provides effective fire resistance, but also very good performance in reaction to fire.



### THERMAL INSULATION

Excellent thermal insulation combined with unique efficiency.



### SOUND ABSORPTION

Improved acoustic comfort due to its excellent sound absorption and sound insulation properties.



### LIGHTWEIGHT

Increase insulation - reduce weight. ULTIMATE combines high fire & thermal performance with very low weight.



| CHARACTERISTIC       | SYMBOL         | UNIT      | QUANTITIES AND DECLARED VALUES   |       |       |       |       |       |       | STANDARD  |
|----------------------|----------------|-----------|--|-------|-------|-------|-------|-------|-------|-----------|
| Thermal conductivity | T              | [°C]      | 10   | 50    | 100   | 150   | 200   | 300   | 400   | EN 12667  |
|                      | $\lambda_{NR}$ | [W/(m·K)] | 0.031  | 0.036 | 0.041 | 0.049 | 0.057 | 0.078 | 0.104 |           |
| Thermal behaviour    | T              | [°C]      | Exposure to temperature up to 400 °C (depends on density) is possible on the unfaced side, but the thickness of the insulating layer has to be correctly dimensioned so that the faced side is exposed to a maximum of 100 °C. From 150 °C on the binder starts to volatilise. |       |       |       |       |       |       | AGI Q 132 |

| CHARACTERISTIC         | SYMBOL     | UNIT | THICKNESS | VALUES | STANDARD |
|------------------------|------------|------|-----------|--------|----------|
| Sound absorption value | $\alpha_w$ | -    | 50 mm     | 1.00   | -        |
|                        |            |      | 60 mm     |        |          |

| CHARACTERISTIC       | SYMBOL   | UNIT       | QUANTITIES AND DECLARED VALUES | VALUES | STANDARD     |
|----------------------|----------|------------|--------------------------------|--------|--------------|
| Air flow resistivity | $\sigma$ | [KPa·s/m²] | Density 56 kg/m³               | 50     | DIN EN 29053 |

| CHARACTERISTIC                           | SYMBOL | UNIT      | QUANTITIES AND DECLARED VALUES  | STANDARD  |
|--|--------|-----------|---|---|
| Specific thermal capacity                | c      | kJ/(kg·K) | 0.84  | EN 14706  |
| Reaction to fire                         | -      | -         | Melting point according to DIN 4102, part 17: $\geq 1000$ °C.<br>Non combustible according to IMO-Resolution MSC.61(67)-(FTP-Code), IMO MSC/Circ. 1120.<br>Homologated for shipbuilding according to EC Type Examination Certificate Nr.: 114.533 | DIN 4102-17<br>IMO-Resolution MSC.307(88)-(FTP-Code 2010) |
| Chemical behaviour                       | -      | -         | Sulphide free.  | -   |
| Application field                        | -      | -         | Thermal insulation, acoustic insulation and fire protection constructions in shipbuilding.  | -   |
| Material                                 | -      | -         | Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e.V., unriskey regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q.                  | -   |
| Facing                                   | -      | -         | U SeaProtect Rolls V1 13-36 are one-side faced with reinforced glass tissue.  | -   |
| Water vapour diffusion resistance factor | $\mu$  | -         | - 1   | EN 14706  |
| Quality management                       | -      | -         | ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001.  | EN ISO 9001<br>EN ISO 14001<br>EN ISO 50001               |
| Type approval certificates               |        |           | EC-Type Examination MED-B (Non Combustibility): 114478-06 exp. 08/03/2028<br>EC-Type Examination MED-B (Low Flame Spread): 118156-04 exp. 02/01/2029<br>QAS MED-D Certificate: SEE0736Q0000108 exp. 19/05/2027                                    |   |

| DELIVERY FORM: STANDARD DIMENSIONS / PACKAGING INFORMATION* |              |
|---|--------------|
| THICKNESS D [MM]  | WIDTH B [MM] |
| 30  | 1200         |
| 50  | 1200         |
| 60  | 1200         |

\* All dimensions require minimum order quantities / other dimensions on request.



## www.isover-technical-insulation.com

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