## **TECHNICAL** DATASHEET



## **SKYROCK® MINERAL WOOL INSULATION**

|  | <ul> <li>FEATURES &amp; BENEFITS</li> <li>High performance slabs for building insulation</li> <li>Excellent thermal insulation: Thermal conductivity (λ) of 0.034 (W/m.K) provides excellent thermal performance, reducing heat loss for residential and commercial buildings</li> <li>Excellent acoustic insulation: Skyrock<sup>®</sup> Mineral Wool Insulation Slabs provides optimal acoustic performance for better comfort</li> <li>Effective fire protection: Skyrock<sup>®</sup> Mineral Wool Insulation Slabs are non-combustible and classified A1 Euro-class Reaction to Fire</li> </ul>                         |  |  |
|--|---|--|--|
| DESCRIPT   | Skyrock <sup>®</sup> Mineral Wool products are made from volcanic rock - a natural material present<br>in large quantities throughout the earth. These raw materials are natural basalt & dolomite<br>coming from regional resources. Complies with ASTM C612 and EN 13162 standard.  |  |  |
| INTENDED F   | <ul> <li>Thermal insulation</li> <li>Acoustic insulation</li> <li>Fire protection</li> <li>Construction industry</li> </ul>   | <ul> <li>Thermal insulation</li> <li>Acoustic insulation</li> <li>Fire protection</li> <li>Construction industry</li> </ul>  |  |
| PRODUCT D  | ATA Property  | Skyrock <sup>®</sup> Mineral Wool Insulation   |  |
|  | Thermal Conductivity  | 0.034 W /m·K   |  |
|  | Density*  | 40-160 Kg/m <sup>3</sup>   |  |
|  | Thickness**   | 25-150mm   |  |
|  | Reaction to Fire Class  | Non-combustible. Euro-class A1   |  |
|  | Flame Spread Index (FSI)  | 0  |  |
|  | Smoke Development (SD)  | 0  |  |
|  | Specific Thermal Capacity   | ~ 1 k l/kg.K   |  |
|  | Shot Contonts   | < 25% from the weight  |  |
|  | Water Vanour Sorntion   | < 1% by weight   |  |
|  | Water Vapour Diffusion Desistance Factor  |  |  |
|  | Escing  | Lin-faced  |  |
|  | * Density vary as per the substrate thickness<br>** Consult USG ME technical team for other thicknes  | ses  |  |
| mer:<br>ation contained in this<br>ent is subject to change<br>t prior notice due to our<br>g product development. We<br>nend referring to the website<br>com for the most up-to-date<br>curate product information.<br>4 Factory of USG | INCEEN 823: Thermal insulating products for<br>EN 1602: Thermal insulating products for<br>EN 13501-1: Fire classification of constru<br>BS EN 12667: Thermal performance of be<br>EN 12086: Thermal insulating products of<br>BS EN ISO 10456: Building materials and<br>ASTM E84: Surface Burning Characteristic<br>ASTM E136: Assessing Combustibility of<br>ASTM C612: Standard Specification for N<br>ASTM C518: Thermal Transmission Proper<br>Apparatus<br>ASTM C303: Dimensions and Density of<br>InsulationASTM C177: Steady-State Heat Flux Meat<br>Transmission PropertiesASTM C104: Determining the Water Value | <ul> <li>EN 823: Thermal insulating products for building applications</li> <li>EN 1602: Thermal insulating products for building applications</li> <li>EN 13501-1: Fire classification of construction products and building elements</li> <li>BS EN 12667: Thermal performance of building materials and products</li> <li>EN 12086: Thermal insulating products for building applications</li> <li>BS EN 1SO 10456: Building materials and products. Hygrothermal properties</li> <li>ASTM E84: Surface Burning Characteristics of Building Materials</li> <li>ASTM E136: Assessing Combustibility of Materials</li> <li>ASTM C12: Standard Specification for Mineral Fiber Block and Board Thermal Insulation</li> <li>ASTM C518: Thermal Transmission Properties by Means of the Heat Flow Meter</li> <li>Apparatus</li> <li>ASTM C303: Dimensions and Density of Preformed Block and Board-Type Thermal Insulation</li> <li>ASTM C177: Steady-State Heat Flux Measurements and Thermal</li> <li>Transmission Properties</li> <li>ASTM C104: Determining the Water Vapor Sorption of Unfaced</li> </ul> |  |
| e East LTD. Co.<br>Ihts reserved.  | Mineral Fiber Insulation  |  |  |
|  |   |  |  |

Disclai

Informa docum withou ongoin recomr usgme and ac

©2024 Middl All rig



Skyrock<sup>\*</sup> Mineral Wool Insulation Version #: 03 / Revision date: 1-February-2024 / Issue date: 3-October-2021 / Doc. Ref. IF-TDS042-3 *This technical datasheet is intended for global use in regions where USG ME has authorized sales territories.*