

USG MINERAL WOOL

RED WING, MN

DESCRIPTION

USG premium mineral wool is suitable for a variety of applications including ceiling tiles, insulation, asphalt, cementitious reinforcement, friction products, fire protection systems, adhesives and fillers. The result of slag, granite and other minerals spun at high temperatures, USG mineral wool has a high fiber tensile strength and will not burn, rot or absorb moisture or odors.

Note USG can accommodate all manufacturing processes to suit the applications listed above. Some applications may require suitability testing by the customer.

TYPICAL PHYSICAL PROPERTIES

Color	Off-white
Average fiber diameter	4.8 microns
Fiber length	0.035 - 1.25 in. typical
Hardness	6.0 Moh
Fiber tensile strength	80,000 psi
Non-fibrous content	41-46%
Recycled content	88-100% depending on product
Melting point	2200 °F
Devitrification	1550 °F
Operating temperature	Up to 1450 °F
Specific gravity	2.7-2.9 g/cc
Loose fill density	4-6 lbs./cu. ft.
Packaged density	6-22 lbs./cu. ft.
Shrinkage	Begins at 1475 °F (depending on temperature and duration)
Refractive index	1.62-1.64
pH	Approximately 9

Typical Chemical Analysis	%
Silica	35-45
Calcium	30-38
Alumina	9-14
Magnesia	6-12
Other	0-6

STORAGE AND USE

When properly used, USG Mineral Wool is safe to handle and easy to work with. Keep indoors at temperatures between 40 °F – 80 °F (4 °C – 27 °C) and 45% – 55% RH. Do not stack more than two pallets high. Rotate stock. USG Mineral Wool should be used within six months of the manufacturing date located on the package. Always follow handling and use directions and safety warnings on the package.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

CAUTION

This material may cause irritation of the skin, eyes, and respiratory system. Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If skin irritation or rash occurs, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

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NOTICE

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

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