

# MADA ROCKWOOL INSULATION

## Technical Data Sheet

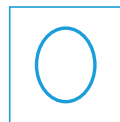
TDS-ACC-R08-Rev2 Rockwool Insulation - 2024



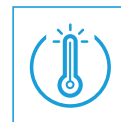
### Advantage



Rot-proof.



Zero depletion potential (ODP)



Zero global warming potential (GWP)



Reducing green house effect

### Product Description

Rockwool is an insulating material manufactured from natural minerals mainly basalt which is melted at very high temperature and spun using advanced production techniques. The fibers are then bonded with minimum quantity of thermosetting resin binder and special additives. It has good Thermal & Acoustic properties, Rockwool is light in weight, strong, re-silent, and easy to handle cut intricate to suit shapes.

### Field of Application

Applicable for all Drywall Systems and all such applications.

### Manufacturing Standard

- Rockwool insulation complies to ASTM C665, ASTM C177, ASTM C518, BS 874:1986 and BS 476.



## TECHNICAL DATA SHEET

### Technical Specification

Parameters	Detail
Color	Yellowish
Rigidity	Semi-Flexible
Supplier	Saudi Rockwool
Water Vapor Sorption	< 1 (Weight %) ASTM C1104
Thickness (mm)	50, 75, 100 *
Density (kg/m <sup>3</sup> )	40, 48, 64, 80, 100 *
Max. Use Temperature	7500C, ASTM C411
Thermal Conductivity	0.036 – 0.040 (w/mK)
NRC	0.7-1.0, ASTM C423
Flame Index	0, ASTM E84
Smoke Developed	0, ASTM E84
Fungal Resistance	Nil, ASTM C665
Packing	(1.2 x 0.6) m / Slab

\*Thickness and Density are not restricted to the mentioned parameters

### Handling and Storage

- Handling – unpack material at application site to avoid unnecessary handling of product. keep work areas clean.
- Avoid unnecessary handling of scrap material and debris by placing such materials in suitable containers, which should be kept as close to the work area as possible.
- Ensure good ventilation. local exhaust ventilation may be required if the method of use produces dust levels which exceed applicable exposure limits.
- Avoid excessive eye and skin contact with dusts and fibers.
- Use recommended cleanup procedures to avoid buildup of dusts and fibers in the work area.
- Material Storage - keep material in original packaging until it is to be used. Store material to protect against adverse conditions including precipitation.
- Health Hazard - Inhalation: inhalation of dust can cause nose, throat, lungs and upper respiratory tract irritation. persons exposed to dust may be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Eye Contact : direct contact will cause some mechanical irritation. Skin Contact: may cause transitory mechanical dermatitis.

### General Note

The products should not be used for purposes other than those shown on the Mada Technical Proposal.