Fujairah Rockwool Loosewool

Fujairah Rockwool Loose Wool is bonded loose wool used for packaging cavities of irregular dimensions. The density of wool to be used depends on the thermal conductivity required. Thermal conductivity will be the same as other Fujairah Rockwool products of the same density

Applications

Used for general purpose insulation, expansion relief, packing cavities of brickwork in furnaces, ovens and many other items of industrial equipment. It is also used for cavity packing in refrigerated cargoes, oxygen plants, valve boxes, automobile mufflers and other types of silencers. It is highly suitable especially where preformed insulation is difficult to apply.

Standard Delivery

Packed in 20 kgs bags. Other packaging weights are available upon request.

Fire Safety

Rockwool Insulation alone is non-combustible when tested in accordance with BS-476 Part 4 1970 and ASTM E-136, Class A, when tested in accordance with ASTM E-84

Service Temperature

Plain Rockwool Insulation has a service temperature of 780°C when tested in accordance with DIN 52271 for 80 mm thickness and 100 kg/m^3 density. However there is possible deviation for lower densities.

Thermal Conductivity

The density of loose wool depends upon the compression resistance for a particular application. The following are typical figures of thermal conductivities

Mean Temp °C	k-Value W/mK 60 kg/m^3	k-Value W/mK 80 kg/m^3
100	0.045	0.044
200	0.070	0.059
300	0.109	0.097
400	0.160	0.138

We have test reports at 35°C mean temperature for 40 kg/m^3 ,70 kg/m^3 and 110 kg/m^3 densities and at different mean temperatures for 140 kg/m^3 nominal density.

The table shows the test results for their raw density in accordance with the test report

Compatibility

Compatible with all other forms of material with which it is likely to come in contact in normal industrial and building applications

Moisture

Water repellent, non-hygroscopic, non-capillary it does not absorb any moisture from the air. Moisture has no effect on the stability of the product.

Biological Properties

Rot-proof, non-hygroscopic, will not sustain vermin and will not encourage growth of bacteria, mold or fungi

Chemical Neutrality

Chemically neutral and will neither cause nor promote corrosion. It meets the requirements of ASTM C-795 the standard specification for thermal insulation for use in contact with austenitic stainless steel when tested as per ASTM C-692 (Corrosion Test) and ASTM C -871 (Chemical analysis). It contains low level of chlorides when tested in accordance with BS 2972 : Section 21, ASTM C-871 and AGI Q 135.

Packaging

Supplied in polyethylene bags.

Unit Price

For details on price, our Sales Office can be contacted.

Technical Advice

For further details of information on technical data, specialist product information, applications, heat loss calculations or economic thickness, our Sales Office can be approached.