



ROCKAL BASALT RAW MATERIAL

DESCRIPTION:

- The raw material basalt rock is a pure volcanic material, which is millions of years old.
- Basaltic rock is classified as an inorganic material and has excellent resistance temperature having a melting point greater than 1520 °C

USE:

As a raw material to produce the rock wool insulation

Used in SAUNA ROOMS HEATING PROCESS accompanied with electric heater
(approximate quantity 24 kg per 200 cm x 200cm x 200cm room)

PROPERTIES:

- Inorganic material
- High temperature resistance-melting point >1520 °C
- Its composition with refractory oxide components deliberately increased to improve and enhance stability at higher temperatures.
- High fire resistance
- No spread of flame
- Extremely low smoke development
- Non-hygroscopic-Non capillary, water repellent and does not absorb moisture from air.
- Chemically natural (PH7) Or slightly alkaline
- Asbestos free
- Non-Carcinogenic

SILICA	SiO^2	55.2%
Alumina	Al^2O^3	15.3%
titania	TiO^2	2%
Ferrous Oxide	FeO	6.4%
Lime	CaO	9.1%
Magnesia	MgO	6.2%
Manganese oxide	MnO	0.1%
Sodium Oxide	Na^2O	3.5%
Potassium Oxide	k^2O	2.2%

Chemical Composition:-

BIOLOGICAL PROPERTIES:-

Basalt rock is biologically inert. it is unaffected by vermin and does not the growth of fungi, molds or bacteria.

It doesn't attract insects or rodents.

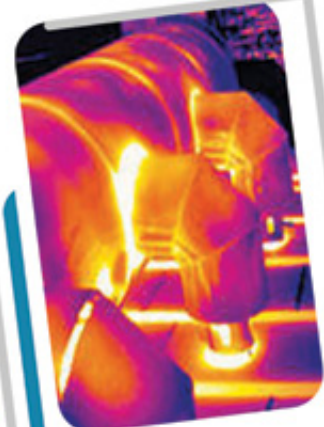
INSTALLATION DEPARTMENT BRIEF:-

Department of installation has all the available and sufficient experienced assistants to conduct the work without delay.

The work executed in accordance with the international standards requirement, manufacture's recommendations and satisfies the instructions of the site –engineers.

Supply and installation of insulation materials for the following applications

- Commercial, industrial and residential buildings
- Duct Insulation
- Ship buildings insulation
- Poultry farms
- Equipments, vessels & tanks
- Acoustical Insulation For theaters
- Ware Houses & steel stricture Buildings
- Prefabricated Houses
- Cement factory
- agricultural strictures
- piping system
- Boilers
- Refrigerators
- Studios & Engine Room



The percentages of elements that activated by radiation are extremely low like boron < 50ppm and cobalt approx.20ppm