

DOLomiteBASEDPRODUCTS

1. Introduction
2. Occurrences of dolomite
 - 2.1 Europe and other countries
 - 2.2 Sri Lanka
 - 2.3 Mineralogical properties
 - 2.4 Commercial deposits
 - 2.5. Present consumption of dolomite in Sri Lanka
 - 2.6 Analysis of dolomite
 - 2.7 Instrumental
3. Dolomite based products
 - 3.1 Fertilizer
 - 3.1.1 Dolomite fertilizer used in tea estates and-coconut estates
 - 3.1.2 Production in Sri lanka
 - 3.1.3 Crushing machines and other equipment
 - 3.1.4 Quality control
 - 3.1.5 Production cost and market possibilities
 - 3.2 Lime
 - 3.2.1 Raw material selection for lime industry
 - 3.2.1.1 Dolomite as starting raw material in Sri Lanka
 - 3.2.2. Choice of technology

- 3.2.3 Manufacturing process
 - 3.2.3.1 Field or pot kilns
 - 3.2.3.2 Vertical mixed bed kiln
 - 3.2.3.3 Rotary kilns
 - 3.2.3.4 Other kilns
 - 3.2.3.5 Simplified flow sheet of integrated lime production
- 3.3 As industrial fillers
 - 3.3.1 Primary and secondary size reduction
 - 3.3.1.1 Machinery for crushing
 - 3.3.1.2 Sieving
 - 3.3.1.3 Dust collection
 - 3.3.2 Particle size distribution
 - 3.3.2.1 Methods
 - 3.3.2.1.1 Andreason pipette
 - 3.3.2.1.2 Sieve analysis
 - 3.3.3 Different industrial applications
 - 3.3.3.1 Paints and varnishes
 - 3.3.3.2 Oil
 - 3.3.3.3 Paper
 - 3.3.3.4 Asphalt filler
 - 3.3.3.5 Vinyl and vinyl asbestos
 - 3.3.3.6 Rubber

- 3.7.1 Metallurgical industries
- 3.7.2 Refractory
- 3.7.3 Mineral wool
- 3.8 Other applications
 - 3.8.1 Ceramic industry
 - 3.8.2 Water purification
 - 3.8.3 Glass industry
 - 3.8.4 Insulation wall board
 - 3.8.5 Sugar refining
 - 3.8.6 Leather tanning
 - 3.8.7 Protective coating
 - 3.8.8 Pigments
 - 3.8.9 Varnish
 - 3.8.10 Flue gas desulfurization
- 3.9 Few technologies currently used in Sri Lanka
 - 3.9.1 Dolomite lime kiln Matala-Building Materials Manufacturing Corporation
 - 3.9.2 Dolomite plant
 - 3.9.2.1 Technology assessment of the plant
- 4. Technologies used in other countries
 - 4.1 Information Network
 - 4.2 Europe
 - 4.2.1 Spain

- 4.2.2 Scandinavia
- 4.2.3 U.K.
- 4.2.4 Belgium
- 4.2.5 France
- 4.2.6 Switzerland
- 4.2.7 Austria
- 4.2.8 Germany
- 5. Information on equipment purchase
 - 5.1 Crushers (primary and secondary)
 - 5.2 Grinding equipment
 - 5.3 Lime kiln
 - 5.4 Sieving machine
 - 5.5 Bag filling
 - 5.6 Belt feeders
- 6. Upgrading dolomite based industries in Sri Lanka
 - 6.1 Research and development work
 - 6.2 Dissemination of information
 - 6.3 Training
 - 6.4 Testing services
 - 6.5 Standard setting
- 7. Survey on consumption and supply of dolomite in Sri Lanka
 - 7.1 Information on present import and export of dolomite

- 7.2 Value addition
- 7.3 Joint venture possibilities
- 8. Dolomite based products in Sri Lanka