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Autore	Dawson Christopher <1889-1970.>
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Autore	Oates J. A. H (Joseph A. H.)
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Limestone

7 Overview and Economic Aspects of the Limestone Market7.1 General; 7.2 Market Overview; 7.3 Economic Aspects; 7.4 References; 8 Construction and Building; 8.1 Introduction; 8.2 Specifications and Test Methods; 8.3 Aggregates for Concrete; 8.4 Sand for Mortars; 8.5 Unbound Aggregates for Roads; 8.6 Aggregates for Asphalts; 8.7 Other Applications; 8.8 CEN Standards for Aggregates; 8.9 References; 9 Use of Limestone in Cement Production; 9.1 Introduction; 9.2 Portland Cement Production; 9.3 Composite Cements; 9.4 Masonry Cements; 9.5 Calcium Aluminate Cements; 9.6 References

10 The Use of Limestone in Agriculture10.1 Introduction; 10.2 Arable Land and Pasture; 10.3 Fertilisers; 10.4 Animal Feedstuffs; 10.5 Poultry Grits; 10.6 Neutralising Acid Rainfall; 10.7 References; 11 Use of Limestone in Refining Metals; 11.1 The Production of Iron; 11.2 Open Hearth Steelmaking; 11.3 Smelting; 11.4 The Production of Alumina; 11.5 References; 12 Other Uses of Limestone; 12.1 Introduction; 12.2 Glass Manufacture; 12.3 Ceramics; 12.4 Mineral Wool; 12.5 Acid Gas Removal; 12.6 Sulfite Process for Paper Pulp; 12.7 Production of Organic Chemicals; 12.8 "Rock Dust" for Mines

12.9 Fillers and Extenders12.10 Water Treatment; 12.11 Sodium Dichromate; 12.12 Calcium Zirconate; 12.13 References; Part 3 Production of Quicklime; 13 Physical and Chemical Properties of Quicklime; 13.1 Physical Properties; 13.2 Chemical Properties; 13.3 References; 14 Raw Materials for Lime Burning (Limestone, Fuel and Refractories); 14.1 General; 14.2 Limestone; 14.3 Fuel; 14.4 Refractory Linings; 14.5 References; 15 Calcination of Limestone; 15.1 Introduction; 15.2 The Chemical Reactions; 15.3 Kinetics of Calcination; 15.4 Sintering of High-calcium Quicklime

15.5 Sintering of Calcined Dolomite

Sommario/riassunto

Modern uses of traditional materials 'Lime and Limestone' is a comprehensive and up-to-date presentation of the main scientific and technological aspects of the quarrying, processing, calcining and slaking of lime and limestone products. It places emphasis on how the processes are designed to ensure that the products meet market requirements and comply with customer specifications. It describes authoritatively, and in detail, the current uses in the many market segments, including:iron, steel and other metals,building, construction and cement,water, sewage and enviro