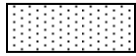


Definition and Classification of Limestone

Prepared by Missouri Department of Natural Resources, Division of Geology and Land Survey, 2011

Academic, Geological Definition of Limestone (stipple pattern)



Sources for Nomenclature

American Society for Testing and Materials, 1966, ASTM C119-50 in Book of Standards, for definition of **calcite limestone** (pp.103-105)

Neendorf, K.K.E., Mehl, James P., Jr., and Jackson, Julia, 2005, Glossary of geology, 5th ed. American Geological Institute, Alexandria, Virginia, 779p., for **geological and commercial definitions of limestone** (p.371) and for definitions of **dolomitic limestone** (p.189), **calcitic dolomite** (p.92), **dolomite** (p.189) and **magnesian dolomite** (p.388)

Pettijohn, F.J., 1957, Sedimentary rocks, 2nd ed., Harper, New York, 718p., for definitions of **high-calcium limestone**, **magnesian limestone**, **dolomitic limestone**, **calcitic dolomite** and **dolomite** (p.417-18)

100% Other Rock Materials

(Chert, Quartz Sand & Silt, Clay, etc.)

Practical, Commercial Definition of Limestone (yellow color)



Sources for Nomenclature (continued)

Stanley, J.L., 1983, Industrial minerals and rocks, 5th ed., Society of Mining Engineers, 1446p., for **triangle classification diagram** (p.836) that has been adopted with modification for use herein.

Thrush, Paul W. and Staff of Bureau of Mines, 1968, A dictionary of mining, mineral, and related terms, U.S. Bureau of Mines, 1269p., for **broad definition of limestone** (p.643) and for definitions of **calcite limestone** and **calcitic dolomite** (p.163)

Tweney, C.F., and Hughes, L.E.C., 1958, Chamber's technical dictionary, 3rd ed., MacMillan Co., New York, 1028p., for **broad definition of limestone** (supplement, pp.952-1028)

