

# Epidote

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15 March 2016



**General Mineral Formula:**  $\text{Ca}_2(\text{Al},\text{Fe})_2(\text{SiO}_4)_3(\text{OH})$

**Mineral Chemical Class:** Sorosilicates

**Specific Gravity:** 3.3-3.6

**Hardness:** 6-7

**Cleavage:** 1,1

**Luster:** Vitreous

**Streak:** White

**Characteristic Color(s):** Pistachio to dark-green, olive-green, brownish green.

**Crystal System:** Monoclinic

**Crystal Class:** Nobody Knows

**Crystal Description (common forms, habit, etc.):** Usually long slender elongated prismatic crystals; also thick tabular. Sometimes striated and may have interesting wedge shaped terminations.

**Environment (where you find the material):** Occurs in: hornfels and skarns in contact metamorphic rocks and in metamorphosed limestone and in schists and in regional metamorphic rock. Also in igneous rock in basalt and diabase and granite pegmatites.

<sup>1</sup>Pistachio green, elongated prisms.

<sup>2</sup>Found in skarns and hornfels and in contact metamorphic rocks and metamorphosed limestone & schist. Also igneous rock and basalt

**Common Mineral Associations** (in samples, also consult text,  
notes: Quartz, Calcite, Actinolite, Hornblende, Prehnite, Biotite, Chlorite

**Scientific Usage/Significance:** None

**Industrial or Social Use/Significance:** Minor gemstone.

**Environmental Significance:** None