

Azurite

Description: Azurite is a soft, deep blue copper mineral produced by weathering of copper ore deposits.

Chemical Formula: $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$

Class: Carbonates

Color: Blue to very dark blue

Streak: Light blue

Hardness: 3.5-4

Crystal system: Monoclinic. Three axes, all of them are unequal in length. Two of them are at right angles to each other, while the third is lies at an angle other than 90° .

Transparency: Opaque, translucent in thin splinters



Specific Gravity: 3.7 - 3.9

Luster: Vitreous or dull

Fracture: Conchoidal or splintery

Uses: Azurite is an ore of copper, has been used as a dye for paints, fabrics and eye shadow, and in jewelry and ornamental objects.

Associated minerals: Azurite is usually found in association with the chemically very similar malachite, producing a striking color combination of deep blue and bright green that is strongly indicative of the presence of copper ores. Azurite may also occur with calcite, chalcopryite, copper and limonite. Azurite is often pseudomorphed to malachite, and the two are very frequently found together.

 <p>Azurite</p>	 <p>Azurite</p>	 <p>Azurite</p>
 <p>Malachite</p>	 <p>Chalcopryite</p>	 <p>Limonite</p>