

Pyromorphite

Mineral Reference Profile • Phosphates

Chemical / compositional reference

$\text{Pb}(\text{PO}_3)_2\text{Cl}$

Mohs hardness

3.5–4

Physical properties

Wide range of colors and habits; many are secondary minerals with moderate hardness.

Geological occurrence

Occurs in pegmatites, sedimentary phosphorites, oxidation zones and biological or weathering environments.

Economic, technological and cultural relevance

Fertilizers, specialty chemicals, gemstones, rare-earth resources and scientific indicators of geological processes.

Museum learning value

In the museum context, Pyromorphite is used to connect observation with mineral identification, geological formation, material science, responsible resource use and the relationship between natural resources and society. Specimen-specific analytical data should always be read from the verified museum catalogue or laboratory record.