



Figure 2-2.6 Principle used to produce epoxy pore casts

Top photograph: polished “thick section”, optical microscope, incident light. We can see the oolites, coloured red since they contain a high proportion of resin (intraoolitic microporosity), and the vitreous reflections of the large calcite crystals (intergranular sparite).

Bottom photograph: pore cast, same sample observed under SEM after total destruction of the mineral phase by acid attack. The oolite “ghosts”, formed solely of resin, are clearly visible. Between the oolites, we also observe the presence of resin films corresponding to the very fine intercrystalline voids which existed between the calcite crystals.