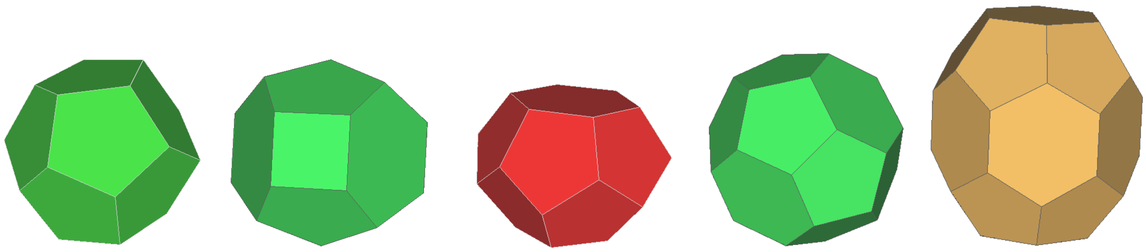
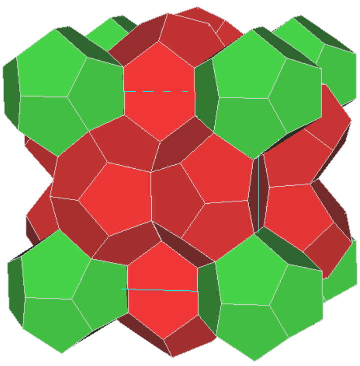
8. Gerüst(Tecto)-Silicate (Forts.)

8.7. Clathrasile

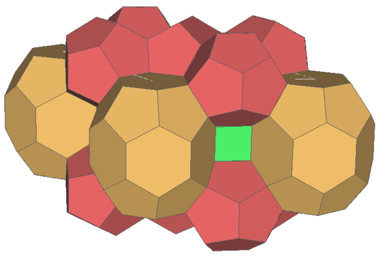
		Zahl der Käfige					
	Käfig:	M^{12} $[5^{12}]$	M^{12b} $[4^3 5^6 6^3]$	M^{14} $[5^{12} 6^2]$	M^{16} $[5^{12} 6^4]$	M^{20} $[5^{12} 6^8]$	
	⌀:	570 pm	570 pm	580/770 pm	750 pm	770/1120 pm	
Clathrasil ↓	Gäste →	N_2, Ar, Xe, CH_4		N_2O, CO_2, Kr, Xe, CH_3NH_2	SF_6, Kr, Xe, CH_3NH_2, $(C_2H_5)_2NH$, $(CH_3)_3N$, Thiophen, Pyridin, Pyrolidin	$C_2H_5)_2NH$, Cyclohexylamin, Adamantylamin	SiO_2/EZ ↓
Melanophlogit	Cr_3Si	2	-	6	-	-	46
Dodecasil 1H	$CaCu_5$	3	2	-	-	1	34
Dodecasil 3C	$MgCu_2$	16	-	-	8	-	136



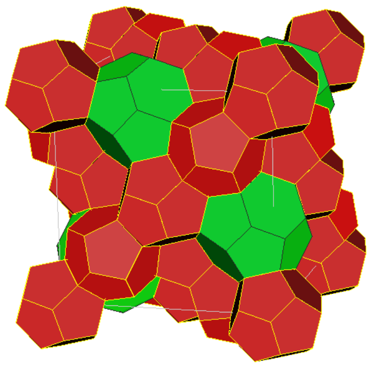
Polyeder der Lücken



Melanophlogit



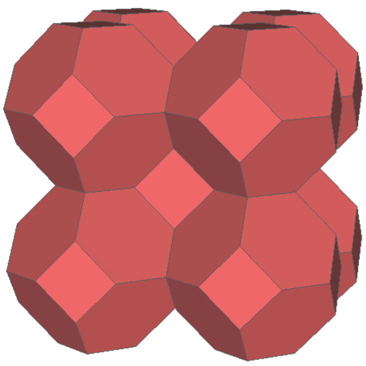
Dodecasil 1H



Dodecasil 3C

Gesamtstrukturen

8.8. Ultramarine



Struktur der Ultramarine