

Zeolites	Cement phases		Clay minerals	
Analcime	Afwillite	Amesite	HNontronite-Mg	Nontronite-K
Chabazite	Brucite	Amesite-Fe	HNontronite-Na	Nontronite-Mg
Clinoptilolite_Ca	C2SH(alpha)	Annite	HSaponite-Ca	Nontronite-Na
Clinoptilolite_K	C3AH6	Antigorite	HSaponite-FeCa	Nontronite_Nau-2
Clinoptilolite_Na	C3FH6	Beidellite-Ca	HSaponite-FeK	Paragonite
Gismondine	C4AH13	Beidellite-K	HSaponite-FeMg	Phlogopite_K
Heulandite_Ca	C4FH13	Beidellite-Mg	HSaponite-FeNa	Phlogopite_Na
Heulandite_Na	CSH0.8	Beidellite-Na	HSaponite-K	Pyrophyllite
Laumontite	CSH1.2	Beidellite_SBI-d-1	HSaponite-Mg	Ripidolite_Cca-2
Merlinoite_K	CSH1.6	Beidellite_SBI-d-1 (4.576H2O)	HSaponite-Na	Saponite-Ca
Merlinoite_Na	Ettringite	Berthierine(FeII)	HVermiculite-Ca	Saponite-FeCa
Mordenite_Ca	Ettringite-Fe	Berthierine(FeIII)	HVermiculite-K	Saponite-FeK
Mordenite_Oregon	Foshagite	Berthierine_ISGS	HVermiculite-Mg	Saponite-FeMg
Natrolite	Friedel-salt	Berthierine_Lorraine	HVermiculite-Na	Saponite-FeNa
Phillipsite_Ca	Gyrolite	Celadonite-Fe	Halloysite	Saponite-K
Phillipsite_K	Hemicarboaluminate	Celadonite-Mg	Illite-Al	Saponite-Mg
Phillipsite_Na	Hillebrandite	Chamosite	Illite-FeII	Saponite-Na
Scolecite	Hydrotalcite	Clinochlore	illite-FeIII	Saponite_SapCa
Stellerite	Hydrotalcite-CO3	Dickite	Illite-Mg	Saponite_SapCa(4.151H2O)
Stilbite	Jennite	Eastonite	Illite-Smec_ISCz-1 (2.996H2O)	Siderophyllite
Wairakite	Katoite	Glauconite	Illite/smectite ISCz-1	Smectite MX80
Zeolite_CaP	Monocarboaluminate	HBeidellite-Ca	Illite_Imt-2	Smectite_MX80(3.989H2O)
	Monosulfate-Fe	HBeidellite-K	Kaolinite	Smectite_MX80(5.189H2O)
	Monosulfoaluminate	HBeidellite-Mg	Lizardite	Sudoite
	Okenite	HBeidellite-Na	Margarite	Talc
	Portlandite	HMontmorillonite-BCCa	Montmorillonite-BCCa	Vermiculite-Ca
	Stratlingite	HMontmorillonite-BCK	Montmorillonite-BCK	Vermiculite-K
	Tobermorite-11A	HMontmorillonite-BCMg	Montmorillonite-BCMg	Vermiculite-Mg
	Tobermorite-14A	HMontmorillonite-BCNa	Montmorillonite-BCNa	Vermiculite-Na
	Truscottite	HMontmorillonite-HCCa	Montmorillonite-HCCa	Vermiculite_SO
	Xonotlite	HMontmorillonite-HCK	Montmorillonite-HCK	
		HMontmorillonite-HCMg	Montmorillonite-HCMg	
		HMontmorillonite-HCNa	Montmorillonite-HCNa	
		HNontronite-Ca	Muscovite	
		HNontronite-K	Nontronite-Ca	

Glossary

Ca, K, Na, Mg	cationic charge compensation
Al, FeII, FeIII, Mg	illite : octahedral cation (in addition to Al)
MX80	montmorillonite extracted from the MX80 bentonite
Oregon	Origin of the clay (Johnson et al., 1992)
Lorraine	Origin of the clay
ISGS	Origin of the clay (Idaho, USA)
SO	Origin of the clay (Santa Olalla, Spain)
SBId-1	Reference notation Source Clay http://www.agry.purdue.edu/cjohnston/sourceclays/chem.htm
Iscz-1	Reference notation Source Clay http://www.agry.purdue.edu/cjohnston/sourceclays/chem.htm
Nau-2	Reference notation Source Clay http://www.agry.purdue.edu/cjohnston/sourceclays/chem.htm
Cca-2	Reference notation Source Clay http://www.agry.purdue.edu/cjohnston/sourceclays/chem.htm
SapCa	Reference notation Source Clay http://www.agry.purdue.edu/cjohnston/sourceclays/chem.htm
BC	Low Charge (BC: Basse Charge)
HC	High Charge
H	Hydrated