

Facies	Lithology			Compositional types		Inter-skeletal filling	Depositional environment	Cement	Burial environment	Pore types and porosity	Pore size, mm	Pore space
	Carbonate mineral	Fabrics	Depositional texture	Autochthonous	Allochthonous							
Patch reef core	Calcite	Bafflestone Boundstone	Massive	Morphotypes: <i>Bija</i> <i>Epiphyton</i> <i>Renalcis</i> <i>Kordephyton</i> Archaeocyaths	Bioclasts Peloids	Micrite Crystalline carbonate	Low-energy hydrodynamic regime Normal marine salinity Euphotic zone	Micrite Radial cement Blocky cement I and II types	Marine phreatic	Vugs Fractures	0.8 - 3.0 0.005 - 0.12	Tight rocks with rare fractures, vugs and pores
Patch reef flank	Calcite Dolomite	Boundstone Bindstone	Massive bedding	Morphotypes: <i>Renalcis</i> <i>Tarthinia</i> <i>Vermiculites</i>	Bioclasts Peloids	Grains Crystalline carbonate	Variable hydrodynamic regime Normal marine salinity Euphotic zone	Radial cement (early) Isopachous crust Blocky cement II type	Marine phreatic	Intercrystalline pores Intergranular pores Fractures	0.05 - 0.5 0.1 - 2.0 0.15	Reservoirs with patchy pore distribution and with rare vugs and fractures
Patch reef talus	Dolomite Calcite	Grainstone Rudstone Bindstone	Unidirectional bedding: gentle wavy bedding and cross-bedding	Morphotypes: <i>Vermiculites</i>	Bioclasts Peloids Intraclasts Extraclasts	-	High and medium hydrodynamic regime Normal marine salinity Euphotic zone	Isopachous crust Granular cement Drusy cement Blocky cement II type	Marine phreatic Meteoric phreatic	Intercrystalline pores Intergranular pores Mould Vugs	0.02 - 0.20 0.02 - 1.00 0.03 - 0.60 0.05 - 0.95	Reservoirs with cavern and interparticle porosity
Inner reef lagoon	Dolomite	Mudstone	Thin to medium plane-parallel bedding	Morphotypes: <i>Kordephyton</i> Archaeocyaths	Bioclasts (rare) Peloids (rare)	-	Low-energy hydrodynamic regime Hypersaline condition Disturbed water exchange Euphotic zone	Micrite Blocky cement I type	Marine phreatic	Fenestrae Fractures	0.02 - 1.00 0.02 - 0.08	Tight rocks with fractures
Inter-reef subtidal	Dolomite	Packstone Wackestone	Hummocky bedding	-	Bioclasts (rare) Peloids (relics)	-	Variable hydrodynamic regime Normal marine salinity Euphotic zone	Micrite (relict) Blocky cement I and II types (relics)	Marine phreatic	Vugs Fractures	1.0 - 3.5 0.02 - 0.12	Tight rocks with rare pores and fractures