

Bituminous Materials

Civil Engineering

Bitumen binds; the mix does the rest.

Aggregate structure decides how a bituminous mix behaves.

Material	Character
Asphalt concrete	Graded aggregate, general purpose
Stone mastic asphalt	Stone skeleton, rut resistant
Hot rolled asphalt	Mortar rich, durable, chipped
Porous asphalt	Drains through, quieter, clogs
Polymer modified	Wider temperature range, costlier
Bitumen emulsion	Tack coats and surface dressing

Educational reference. Mix selection, binder grade and laying temperatures follow the specification and the standard.