



SOLUTION TABLE SECTION 1

Area	Used in / as...
Packaging industry	Beverage cans, food cans, aluminum foil (because absolute barrier effect against light, oxygen and is non-toxic).
Rocketry	In the fuel of solid rockets. It contains up to 30% Al powder.
Fireworks, pyrotechnics	Provides granularity and flammability in paint mixtures
Construction, functional material	In load-bearing parts of buildings, aluminum profiles in facade elements, windows and doors, engines
Lightweight construction	Al has high specific strength. Compared to steel, components made of Al are only half as heavy with the same strength, but have a larger volume
Vehicle construction, aerospace	For airplanes, rockets, cars and trains: the low mass of Al combined with stability saves fuel
Thermal conductivity	In heat exchangers and household items
Electrical conductor	Al has the fourth highest electrical conductivity of all metals after silver, copper and gold. Lightweight cables
Mirror coating	Al because of its high reflectivity as a coating in scanners, mirrors, headlights (reflex cameras)
Metrology	Infrared measurement technology; unlike silver, Al can reflect ultraviolet radiation