

Cement Consumption Projections

According to the baseline scenario, 2.39 million metric tons are expected to be consumed in airport construction by 2040. Of this, 65%, or 1.56 million can be attributed to runway replacement. Runway expansion is projected to contribute around 561,000 metric tons, accounting for about 23% of airport-related consumption. Finally, terminal expansion is expected to account for 11% of consumption in the airport market and generate around 267,000 metric tons of consumption.

Under PCA's high scenario, cement consumption in airports could reach 2.59 million metric tons by 2040. In the low scenario, growth is muted and cement consumed in airport construction is around 2.24 million metric tons in 2040.

Airport Cement Consumption Outlook (000 Metric Tons)

		2020	2025	2030	2035	2040
Terminal Expansion	Baseline	219	235	245	256	267
	Low	209	208	216	226	236
	High	227	255	272	283	296
Runway Expansion	Baseline	467	481	515	537	561
	Low	462	471	497	512	529
	High	469	489	533	569	608
Runway Replacement	Baseline	1,151	1,242	1,344	1,450	1,561
	Low	1,138	1,215	1,297	1,382	1,470
	High	1,156	1,261	1,390	1,534	1,691
Airports Total	Baseline	1,837	1,959	2,104	2,243	2,389
	Low	1,810	1,894	2,011	2,120	2,235
	High	1,852	2,005	2,195	2,386	2,595