FLY ASH TRIAL · 75% CEMENT / 25% FLY ASH · TRIDENT 600–1,200 G/M³ VS UNTREATED

Stronger, tighter, more stable concrete

28-DAY STRENGTH

+16%

6,512 vs 5,598 psi

At 1,200 g/m³

WATER ABSORPTION

−53%

0.90% vs 1.93%

IS 2386 · ASTM C642

WATER SORPTIVITY

−28%

7.7 vs 10.66 mm

IS 3085 · ASTM C1585

DRYING SHRINKAGE

−64%

0.012% vs 0.033%

IS 516 · ASTM C157

Trident dose	3 d psi	7 d psi	28 d psi	Absorption	Sorptivity mm	Shrinkage	Slump mm
Control	3,365	4,032	5,598	1.93%	10.66	0.033%	125
600 g/m³	3,698	4,308	5,903	1.42%	9.5	0.030%	120
800 g/m³	4,192	4,656	6,106	1.29%	8.3	0.024%	125
1,000 g/m³	4,482	4,801	6,425	1.10%	8.1	0.020%	130
1,200 g/m³	4,699	5,004	6,512	0.90%	7.7	0.012%	135

Third-party accredited lab, Oct 2026 · durability tested at 28 days · psi = MPa × 145.038

Pipedream Industries