

PARKING CONCRETE MIX DESIGN

MIX FOR ONE CUBIC YARD OF FIBER-REINFORCED CONCRETE

28 DAY STRENGTH	4000 PSI
CEMENT (ASTM C-150, TYPE III)	4.64 SACKS (436 LBS.)
FLY ASH (ASTM C-618)	1.16 SACKS (109 LBS.)
GRAVEL (ASTM C-33, GRADE A)	1775 LBS.
SAND (ASTM C-33)	1226 LBS.
WATER (POTABLE)	30 GALLONS (250 LBS.)
TYPE A WATER REDUCER (ASTM C-494)	16.35 LBS.
AIR ENTRAINMENT	5% BY VOLUME, USE PER MANUFACTURERS
SPECIFICATIONS	
FIBER REINFORCEMENT	1.5 LBS/CY MICROFIBERS, AS SPECIFIED BELOW
THICKNESS	SIX (6) INCH THICK

FIBER REINFORCEMENT FOR ALL CONCRETE PARKING AND DRIVEWAYS SHALL BE MATRIX MONOFILAMENT MICROFIBER AS MANUFACTURED BY FRC INDUSTRIES OR APPROVED EQUAL, APPLIED THROUGHOUT THE CONCRETE MIXTURE. ALTERNATE PRODUCTS MUST BE PREAPPROVED BY THE CITY ENGINEER IN WRITING. CELLULOSE (TREATED OR UNTREATED), AR GLASS, NYLON AND POLYESTER FIBERS ARE SPECIFICALLY PROHIBITED FROM USE.