

Study on reworked mortars using St. Astier NHL 3.5

	Standard	Reworked	Standard	Reworked	Standard	Reworked
NHL 3.5						
DOSAGE lbs/ft3 (kg/m3)	15.6 (250)	15.6 (250)	21.85 (350)	21.85 (350)	24.97 (400)	24.97 (400)
WATER ADD. Gal/ft3 (liters)	2 Gal. (270)	2 (270)	2.2 (290)	2.2 (290)	2.3 (305)	2.3 (305)
EXTRA WATER		0.4 (50)		0.4 (50)		0.4 (50)
TIME FOR REWORK		18 h		18h		18h
DENSITY (28 days) lbs/ft3 (kg/m3)	118.6 (1900)	114.9 (1840)	118.6 (1900)	114.9 (1820)	118.6 (1900)	114.9 (1820)
COMP. STRENGTH psi (N/mm2)	135 (0.93)	81 (0.56)	181 (1.25)	117 (0.81)	226 (1.56)	157 (1.08)
INCREASED DENS. lbs/ft3 (kg/m3)		118.6 (1900)		118.6 (1900)		118.6 (1900)
COMP. STRENGTH ON INC. Density (28 days) psi (N/mm2)		112 (0.77)		215 (1.48)		280 (1.93)