Technical Bulletin

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Concrete Volumes

Form Weights

Forms – Volumes and Weights

CONCRETE VOLUMES and WEIGHT per ARXX FORM					
FORM SIZE	FORM TYPE	VOLUME (cu yd)	VOLUME (cu m)	WEIGHT OF CONCRETE IN FORM (lbs) *	WEIGHT OF CONCRETE IN FORM (kg) *
4”	Standard Form Unit	0.0687	0.0525	278	126
6”	Standard Form Unit	0.1077	0.0823	435	197
8”	Standard Form Unit	0.1357	0.1038	550	250
10”	Standard Form Unit	0.1702	0.1301	689	313
4”	90° Corner Form Unit	0.0574	0.0439	233	106
6”	90° Corner Form Unit	0.0819	0.0626	332	151
8”	90° Corner Form Unit	0.1000	0.0765	405	184
10”	90° Corner Form Unit	0.1139	0.0871	461	209
4”	Adjustable Form Unit	0.0471	0.0360	191	87
6”	Adjustable Form Unit	0.0800	0.0612	324	147
6”	Double 45° Corner	0.1049	0.0802	425	193
8”	Double 45° Corner	0.1324	0.1012	536	243
6”	Taper Top Form Unit	0.1337	0.1022	542	246
6”	Extended Brick Ledge	0.1430	0.1093	579	263
8”	Extended Brick Ledge	0.1710	0.1307	693	314

NOTE: The weight of the concrete may vary depending on the concrete mixture used. These figures do not include reinforcement.

Approximate Weights of Standard Form Units **

- 4” Form Unit = 4.5 lb (2.04 kg)
- 6”, 8” & 10” Form Units = 7 lb (3.17 kg)

** NOTE: form unit weight is dependent on time since production and storage atmosphere.

Concrete Estimating – (general rules for rough estimating of concrete quantities)

Form	Formula for Concrete per Wall Area Imperial – yd^3 (for m^3 divide by 35.315)	Approximate S.F. Wall Area per 1 yd^3 Concrete or (1 m^3)
4”	$\frac{\text{(GSF of Wall - SF of Openings) x 0.334}}{27}$	81 sf (106 sf)
6”	$\frac{\text{(GSF of Wall - SF of Openings) x 0.522}}{27}$	51 sf (67 sf)
8”	$\frac{\text{(GSF of Wall - SF of Openings) x 0.667}}{27}$	41 sf (53 sf)
10”	$\frac{\text{GSF of Wall - SF of Openings) x 0.84}}{27}$	32 sf (43 sf)

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