



PLASTER THICKNESS TABLES

TABLE I: VERTICAL PLASTER NOMINAL THICKNESS - WALLS

	1	2	3	4	5	6
Vertical Substrate (walls) A	Method	Cement	Plaster	Basecoat	Stucco Finish Coat	Total Thickness
		1st Coat (Scratch)	2nd Coat (Brown)	Total Basecoat		
Sheathed Construction B	Basic Stucco System C	3/8" - 1/2" 9 - 12 mm D	3/8" 9 - 12 mm D	3/4" - 7/8" 19 - 22 mm D	1/8" 3 mm	1/2" - 5/8" 12 - 16 mm J
Concrete Masonry Unity (CMU)	Direct Applied (2-coat)		3/8" - 1/2" 9-12 mm J	3/8" - 1/2" 9-12 mm J	1/8" 3 mm	1/2" - 5/8" 12 - 16 mm J
	Basic Stucco Systems C	3/8" 9 mm D	1/4" - 3/8" 9 - 12 mm D	5/8" - 3/4" 9 - 12 mm D	1/8" 3 mm	3/4" 19 mm E
Concrete	Direct Applied Finish Coat G & H				1/16" - 1/8" 2 - 3 mm G & H	1/16" - 1/8" 2 - 3 mm G & H
	Direct Applied (2-coat) J		1/4" 6 mm H & J	1/4" - 3/8" 6 - 9 mm H & J	1/8" 3 mm	3/8" - 1/2" 9 - 12 mm J
	Basic Stucco System C	3/8" 9 mm D	1/4" - 3/8" 6 - 9 mm D	5/8" - 3/4" 16 - 19 mm D	1/8" 3 mm	3/4" 19 mm E



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TABLE II: HORIZONTAL PLASTER NOMINAL THICKNESS - SOFFITS

Horizontal Substrate (soffits) A	Method	1	2	3	4	5	6
		Cement	Plaster	Basecoat	Stucco Finish Coat	Total Thickness	
		1st Coat (Scratch)	2nd Coat (Brown)	Total Basecoat			
Framed/Shreaded Construction I	Basic Stucco System C	1/4" - 3/8" 6 - 9 mm	1/4" - 3/8" 6 - 9 mm	5/8" - 3/4" 19 - 22 mm		1/8" 3 mm	3/4" 19 mm E
Concrete Massonary Unity (CMU)	Direct Applied Finish Coat G & H					1/8" 3 mm G & H	1/8" 3 mm G
	Direct Applied (2 - coat) J			1/8" - 1/4" 3 - 6 mm H & J	1/8" - 1/4" 6 - 9 mm H & J	1/8" 3 mm	3/8" 9 mm J
Concrete	Basic Stucco System C	1/4" - 3/8" 6 - 9 mm	1/4" - 3/8" 6 - 9 mm	5/8" - 3/4" 16 - 19 mm		1/8" 3 mm	3/4" 19 mm E
	Direct Applied (2-coat) J			1/4" 6 mm H & J	1/4" - 3/8" 6 - 9 mm H & J	1/8" 3 mm	3/8" - 1/2" 9 - 12 mm J
	Basic Stucco System C	3/8" 9 mm D	1/4" - 3/8" 6 - 9 mm D	5/8" - 3/4" 16 - 19 mm D		1/8" 3 mm	3/4" 19 mm E



NOTES FOR STUCCO THICKNESS TABLES I & II

- A.** The plaster thickness is measured from the face of the substrate. For soffits, the plaster thickness is measured from back of expanded metal lath (exclusive of rib).
 - B.** Sheathed framed construction is recommended rather than open-frame construction. The thickness of the cement plaster for these two types of construction would be the same.
 - C.** Basic stucco system refers to a stucco assembly with lath.
 - D.** An accepted and recommended application of the basecoat is the double-back method, which is the process of successive coats with little or no delay.
 - E.** Basic stucco system should have a minimum thickness of 3/4 inches (19 mm), which can include a 1/8 inch (3 mm) stucco finish coat.
 - F.** If a fire-resistance assembly is required, the minimum thickness of cement plaster must be 7/8 inch (23 mm), which can include a 1/8 inch (3 mm) stucco finish coat. If the finish is an acrylic finish coat or some other approved coating, the basecoat of cement plaster must be a minimum thickness of 7/8 inch (23 mm).
- NOTE: Plaster thickness should conform to the applicable building codes.**
- G.** Stucco finish coat directly over concrete is also referred to as a skim coat.
 - H.** It is recommended that a liquid bonding agent be applied to concrete before the application of a direct cement plaster basecoat or stucco finish coat.
 - I.** The soffit framing construction options for the basic stucco system are:
 - 1) direct to a joist system
 - 2) suspended system
 - 3) furring/sheathing system
 - J.** Direct-applied cement plaster to a concrete or concrete masonry surface that exceeds the maximum thickness requires self-furring lath.