



GP
GEORGIA-PACIFIC
 GYPSUM DIVISION

INDUSTRIAL PLASTER

BULLETIN NO. 8

WATER RATIO DATA EQUIVALENTS			Density Dry, Lbs. Per Cu. Ft.	Percent Void Volume Total Absorption	Dry Compressive Strength Pounds Per Sq. In.	
WATER Per 100 Plaster	PLASTER Per Lb. Water	Water = Plaster = 100				
(Approximate Data)						
GYPSUM PLASTERS	160	0 Lbs. - 10 oz.	61 - 39	37.3	74.3%	50 p.s.i.
	145	0 Lbs. - 11 oz.	59 - 41	40.5	72.1	100 p.s.i.
	133	0 Lbs. - 12 oz.	57 - 43	43.2	70.2	200 p.s.i.
	123	0 Lbs. - 13 oz.	55 - 45	46	68.3	300 p.s.i.
	114	0 Lbs. - 14 oz.	53 - 47	48.8	66.3	400 p.s.i.
	107	0 Lbs. - 15 oz.	51 - 49	51	64.8	500 p.s.i.
	100	0 Lbs. - 16 oz.	50 - 50	54.5	62.4	650 p.s.i.
	94	1 Lb. - 1 oz.	48.5 - 51.5	56.2	61.2	850 p.s.i.
	89	1 Lb. - 2 oz.	47 - 53	58.5	59.6	1000 p.s.i.
	84	1 Lb. - 3 oz.	46 - 54	61.0	58	1200 p.s.i.
	80	1 Lb. - 4 oz.	44 - 56	63	56.5	1400 p.s.i.
	76	1 Lb. - 5 oz.	43 - 57	65.3	55	1600 p.s.i.
	73	1 Lb. - 6 oz.	42 - 58	67	53.8	1750 p.s.i.
	70	1 Lb. - 7 oz.	41 - 59	69	52.5	2000 p.s.i.
	67	1 Lb. - 8 oz.	40 - 60	71	51	2100 p.s.i.
	64	1 Lb. - 9 oz.	39 - 61	73	49.7	2275 p.s.i.
	61.5	1 Lb. - 10 oz.	38 - 62	75	48.5	2400 p.s.i.
59	1 Lb. - 11 oz.	37 - 63	77	47	2750 p.s.i.	
DENSITE CEMENTS	57	1 Lb. - 12 oz.	36 - 64	78.5	46	3000 p.s.i.
	55	1 Lb. - 13 oz.	35.5 - 64.5	80.5	44.5	3250 p.s.i.
	53	1 Lb. - 14 oz.	35 - 65	82	43.5	3500 p.s.i.
	51.7	1 Lb. - 15 oz.	34 - 66	83.5	42.5	3650 p.s.i.
	50	2 Lbs. - 0 oz.	33 - 67	85	41.5	3750 p.s.i.
	48.5	2 Lbs. - 1 oz.	32.5 - 67.5	86.5	40.5	4000 p.s.i.
	47	2 Lbs. - 2 oz.	32 - 68	88.2	39.2	4500 p.s.i.
	45.7	2 Lbs. - 3 oz.	31.4 - 68.6	89.5	38.3	5000 p.s.i.
	42	2 Lbs. - 6 oz.	29 - 71	93.8	35.5	5500 p.s.i.
	40	2 Lbs. - 8 oz.	28.5 - 71.5	96	34	6000 p.s.i.
	38	2 Lbs. - 10 oz.	27.5 - 72.5	99	31.6	7000 p.s.i.
	35.5	2 Lbs. - 13 oz.	26 - 74	102	29.5	8250 p.s.i.
	33.3	3 Lbs. - 0 oz.	25 - 75	105.5	27	9750 p.s.i.
	30	3 Lbs. - 3 oz.	24 - 76	110.8	23.5	11000 p.s.i.
	27	3 Lbs. - 11 oz.	21.3 - 78.7	116	20	13000 p.s.i.
	24	4 Lbs. - 2 oz.	19.3 - 80.7	122	16	14000 p.s.i.
	21	4 Lbs. - 12 oz.	17.4 - 82.6	128	11.5	15000 p.s.i.

SGP 0026142

DENSITE AND DENSICAL GYPSUM CEMENT • MOLDING PLASTERS • STATUARY PLASTERS • DENSFLOR • CERTROCK
 ORTHOPEDIC PLASTERS • POTTERY PLASTERS • PLATE GLASS PLASTERS • SPECIAL INDUSTRIAL PLASTERS