

SOUTHWEST TYPE 7GP™

SIMPLIFIED YIELD CHART

Simplified Target

Based on minimum 22 pcf. Requirement

Yield: 32.7 BF/BAG (2.94 m2)

	TARGET	RANGE	UNIT
WATER	10.5	10.0 – 11.0	gal/bag
NOZZLE DENSITY	809	784 - 833	g/l

Simplified Range (Carboline recommends nozzle yields be taken a minimum, 3 times per day. Carboline recommends the use of a 9/16 to 5/8 I.D orifice)

Yield (*)			9.0	US/G	9.5	US/G	10	US/G	10.5	US/G	11.0	US/G	Dry Density (PCF)	
			34	L	36	L	38	L	40	L	42	L		
2.68	m ²	28.8	BF	83	35	863		891		919		947		25.0
2.79	m ²	30.0	BF	802		829		855		882		909		24.0
2.91	m ²	31.3	BF	768		794		820		845		871		23.0
3.04	m²	32.7	BF	735		760		784		809		833		22.0

^(*) Yield based on 1-inch (25.4mm) thickness. All weights shown are measured in grams. Cup weights are based on an actual 1000ml (1I) cup as supplied by Carboline (contact your local Carboline Fireproofing representative for cups).

Non-Carboline alternate cups can be purchased from major home improvement suppliers, these cups average 1038 ml when filled to the top. If utilizing these cups, multiply the cup weight by an average of 1.038 to provide accurate density/yield values.

Supplementary Information

Nozzle Density

- 1. Spray un-injected TYPE 7GP directly into the Carboline 1000ml cup. Position the nozzle 12-18" above the cup and overfill.
- 2. Strike off any excess TYPE 7GP and level to the top of the container.
- 3. Place an empty container on the scale and press "on/tare"
- 4. Replace the tared container with the identical container, filled with TYPE 7GP and record the net weight.
- **5.** Cross reference the above simplified range to determine yield and adjust water, mixing time and/or air pressure accordingly.

Calculation

To calculate yield, follow the formula noted below:

Yield = 12 x (Gallons H²o/Bag x 8.34 + Bag Weight)/Nozzle Density

To convert g/L to pcf for Nozzle Density, follow the formula below:

g/L x 0.06243