

**SECTION 99- WEIGHTS, MEASURES, AND QUANTITIES**

2250. Weights. -Average weights of 1 cu ft of binder:-

Straight bitumen	. . . . .	61-67 lb
Cut-back bitumen	. . . . .	60-65 lb
Road tar	. . . . .	68-80 lb

2251. Measures:-

1 ton straight bitumen (80/100 PEN)	= 6 drums
	= 215 Imperial gallons
1 ton cut-back bitumen	= 5 drums
1 US barrel "asphalt" =	42 US gallons
6 US barrels =	1 US ton (approx)
1 steel drum (shipping)	= 55 US gallons

2252. Quantities. - Covering rates for various types of bituminous surfacing are given in Table 22.19.

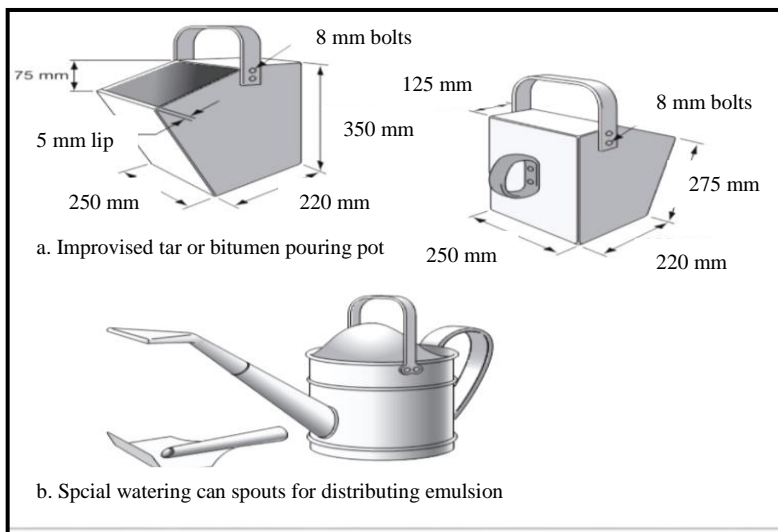


Figure 22-3: Pouring pots and Sprouts for Bituminous Binder

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**TABLE 22.19-BITUMINOUS SURFACING-COVERING RATES**

Serial No	Type of surfacing	Nature of course	Compacted thickness of course (ins)	Nominal size of aggregate (ins)	Stone content (per cent/ton)	Covering rates (sq yds/ton)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
1.	Coated macadam	Base	$\frac{1}{2}$	2		
	„	Base or single	$\frac{3}{4}$	$\frac{1}{2}$	-	6-8
	„	Wearing	2	$\frac{1}{2}$	-	11-14
	„	„	$\frac{1}{2}$	$\frac{3}{4}$	-	15-18
			$\frac{3}{4}$	$\frac{1}{2}$ or $\frac{3}{8}$	-	15-30
2.	Fine cold asphalt	Wearing	1	$\frac{1}{4}$		
	„ „ „	„	$\frac{3}{4}$	$\frac{1}{4}$	-	20-22
	„ „ „	„	4	$\frac{1}{4}$	-	26-28
			$\frac{1}{2}$	$\frac{1}{4}$	-	38-42
			2	$\frac{1}{4}$		

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3.	Bituminous grouting	Single or base	3	$\frac{2}{2}$	-	8-10
	” ” ”	” ”	$2\frac{1}{2}$	2	-	10-13
	” ” ”	” ”	2	$1\frac{1}{2}$	-	13-15
4.	Rolled asphalt	Base	3	-	75	5-6
	” ”	”	$\frac{1}{2}$	-	75	10-12
	” ”	”	$1\frac{1}{2}$	-	55	5-7
	” ”	”	3	-	55	11-13
	” ”	Single	$\frac{1}{2}$	-	50	5-7
	” ”	”	$1\frac{1}{2}$	-	50	6-8
	” ”	”	3	-	40	8-10
	” ”	Wearing	$\frac{1}{2}$	-	50	11-13
	” ”	Wearing or single	$1\frac{1}{2}$	-	40	11-13
	” ”	Wearing	3	-	50	17-19
	” ”	”	$2\frac{1}{2}$	-	40	18-20
	” ”	”	2	-	25	19-21
	” ”	”			0	
			$\frac{1}{2}$			
			$1\frac{1}{2}$			

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			1			
			1			
			1			
			1			

Note. -For rates of application for surface dressing see Tables 22.3 and 22.4. For rates of application of binder and seal coats for bituminous grouting see Table 58.