Engineering Information

Useful Notes on Cement

A. S. Sales Co.

Engineering Information

USEFUL NOTES ON CEMENT

- 1 Ton of Portland Cement = 20 Bags.
- Cubic foot of port land Cement weights 90 to 94 1bs. when loosely filled. Average weight of 1:2:4 concrete; Crokebreexe aggregate 100 1bs. per cubicfoot; Clinker aggregate 110 bs. per cubic foot.; Brick aggregate 125 1bs per cubic foot; Ballast aggregate 145 1bs. per cubic foot.

Average weight of 1:2:4 reinforced concrete, 150 1bs. per cubic foot.

- 1 Cubic foot of loose Portland Cement paste will make about
- 4.1 cu, ft, of concrete mixed 1:2:4

5.1 cu. ft. of concrete mixed 1:2 1/2:5

5.8 cu. ft. of concrete mixed 1:3:6

7.5 cu. ft. of concrete mixed 1:4:8

HATE AND THE REAL PROPERTY OF THE PARTY OF T

- 1 Cubic foot of loose Portland Cement neat as Cement Paste will cover about 9.5 sq. feet I inch thick.
- 1 Cubic foot of loose portland Cement to 2 of sand will cover 16.8 sq. feet. 1
- 1 Cubic foot of loose portland Cement to 2 of sand will cover about 29 sq.
- CALLY AND AND THE STREET, ST. 1 Cubic foot of loose portland Cement to 3 of sand will cover about 35.7 sq.
 - 1 Cubic foot of loose portland Cement to 6 of sand will lay about 410 bricks with 3/9 Inch joints, and 527 bricks with 1/4 inch joints.

China hangs to the Channel of the Ch **Engineering Information**

APPROXIMATE QUANTITY OF SURFACE WATER CARRIED BY AVERAGE AGGREGATES*

3/4 to 1 gal. per c. ft. Year wet sand About 1/2 gal. per c. ft. Moderately wel sand About 1/4 gal. per c. ft. Moists and About 1/4 gal. per c. ft. Moist gravel or frushed rock

Approximate Absorption of Aggregate

Average sand	1.0 per cent. by weight
Pebbles and crushed limestone	1.0 per cent. by weight
Trap rock and granite	0.5 per cent by weight
Porous sandstone 001	7.0 per cent by weight
Very light and porous aggregate may be as his	th as 25 percent by weight

Strength of Ordinary Portland Cement Concrete at Various Ages-

Approximate precentage of strength of ordinary Portland cement contrete at diffrent ages in comparision with the strength at 1 year

21 days old 85 per cent. 3 months old 6 months old 95 per cent. 100 per cent

Strength of Rapid-Hardening Portland Cement Concrete

(Laboratory cubes)

3,853,1abs. per sq. in. Age 3 days 5,360 1bs. per sq. in. 6,810 1bs. per sq. in. 7,490 1bs. per sq. in.

