

QUALITY OUR STRENGTH



DEWAN CEMENT LIMITED

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idea simple

DEWAN CEMENT LIMITED

 **YD** | A YOUSUF DEWAN COMPANY



MEETING GLOBAL STANDARDS

One of the leading brands in the cement sector today, Dewan Cement upholds international standards, ensuring excellence in quality products.

Dewan Cement possesses two cement plants with cement production capacity of:

i. Karachi Plant: 1.764 MTPA **ii. Hattar Plant: 1.134 MTPA**

Dewan Cement is adaptive to growing global marketing, moving from basic OPC ranges to various types of additive cements with a range of strength and fineness to choose from.

- Maintains better particle size distribution
- Maintains adequate dehydration of the gypsum
- Maintains ideal Blaine
- Strategically located in South
- Nearest plant to Port
- Well-equipped to handle Break Bulk, Sling and Jumbo bags and maintain maximum load rate

LIST OF ACCREDITATIONS

- | | | |
|--------------------|-----------------------|-------------------|
| • PAKISTAN | OPC PS-232:2008 | SRC PS612:1989 ® |
| • BRITISH/EUROPEAN | OPC BS-12/EN-197 | SRC BS4027:1972 ® |
| • INDIAN | OPC IS 8112:2013 | SRC IS 12330:1988 |
| • SRI LANKAN | OPC SLS-107 | |
| • SOUTH AFRICAN | OPC SANS 50197-1:2013 | |

TEST REPORT OF SR CEMENT		
CHEMICAL COMPOSITION		
LOI	1.86	NOT MORE THAN 3.0%
SiO ₂	21.45	NOT SPECIFIED
Al ₂ O ₃	4.24	NOT SPECIFIED
Fe ₂ O ₃	4.61	NOT SPECIFIED
CaO	63.00	NOT SPECIFIED
MgO	2.35	NOT MORE THAN 4.0%
SO ₃	1.95	NOT MORE THAN 2.5%
TOTAL ALKALIES	0.36	NOT MORE THAN 0.6%
INSOLUBLE RESIDUE	0.63	NOT MORE THAN 2.00%
LSF	0.91	NOT < 0.66 & NOT > 1.02
SM	2.42	NOT SPECIFIED
AM	0.92	NOT SPECIFIED

SPECIFICATIONS BS 4027 : 1972, PS 612: 1989		
PHYSICAL ATTRIBUTES		
RESIDUE 170 MESH	2.20	NOT SPECIFIED
BLAINE	3254	NOT LESS THAN 2250
SETTING TIME		
INITIAL	198	NOT LESS THAN 45 minutes
FINAL	225	NOT MORE THAN 600 minutes
SOUNDNESS EXPANSION	0.00	NOT MORE THAN 10 mm
COMPRESSIVE STRENGTH		
03 DAYS	4611	NOT LESS THAN 2250 PSI
07 DAYS	5423	NOT LESS THAN 3400 PSI
28 DAYS	6960	NOT LESS THAN 5000 PSI
C ₃ S	52.74	C ₃ A
		3.45
C ₂ S	21.80	C ₄ AF
		14.01

TEST REPORT OF OP CEMENT		
GRADE: 42.5N		
CHEMICAL COMPOSITION		
LOI	1.49	NOT MORE THAN 3.0%
SiO ₂	21.31	NOT SPECIFIED
Al ₂ O ₃	4.89	NOT SPECIFIED
Fe ₂ O ₃	4.08	NOT SPECIFIED
CaO	62.83	NOT SPECIFIED
MgO	2.36	NOT MORE THAN 5.0%
SO ₃	2.42	NOT MORE THAN 3.5%
TOTAL ALKALIES	0.41	NOT MORE THAN 0.6%
INSOLUBLE RESIDUE	0.64	NOT MORE THAN 1.5%
LSF	0.90	NOT < 0.66 & NOT > 1.02
SM	2.38	NOT SPECIFIED
AM	1.20	NOT SPECIFIED

SPECIFICATIONS BS EN 197-1: 2008		
PHYSICAL ATTRIBUTES		
RESIDUE 170 MESH	3.20	NOT SPECIFIED
BLAINE	3318	NOT LESS THAN 2250
SETTING TIME		
INITIAL	180	NOT LESS THAN 45 minutes
FINAL	217	NOT MORE THAN 600 minutes
SOUNDNESS EXPANSION	0.00	NOT MORE THAN 10 mm
COMPRESSIVE STRENGTH		
02 DAYS	23.8	NOT LESS THAN 10 Mpa
07 DAYS		
28 DAYS	48.8	NOT LESS THAN 42.5 Mpa
C ₃ S	48.16	C ₃ A
		6.06
C ₂ S	24.84	C ₄ AF
		12.40

