



OPC - Bulk

ORDINARY PORTLAND CEMENT / PORTLAND CEMENT



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Republished @ June 2016 (First Revision)

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OPC - Bulk

ORDINARY PORTLAND CEMENT / PORTLAND CEMENT (CEM I 42.5N/52.5N)



YTL's bulk OPC is produced using one of the most efficient dry-process kilns and cement mills. This resulted in a high quality product with lower energy consumption as well as lower CO₂ emissions.

CERTIFICATIONS

YTL's bulk OPC is certified to MS EN 197-1 & SS EN 197-1 : 2008 (for exports to Singapore).



APPLICATIONS

Bulk OPC is suitable for all general purpose concreting, ready-mixed and precast concrete applications.

QUALITY

YTL cement plants are capable of producing both the 42.5N grade or the high strength of 52.5N grade bulk OPC, depending on customers' requirements. The stringent quality assurance process in place at all the plants will ensure that consistent quality cement are produced to meet customers' requirements.



PROPERTIES

Tests	Units	Specification MS EN 197-1 : 2014 CEM I 42.5N	Test Results
Chemical Composition			
Lime Saturation Factor (LSF)	%	0.66 - 1.02	0.94
Insoluble Residue (IR)	%	5.0 max.	0.4
Magnesium Oxide (MgO)	%	5.0 max.	1.5
Sulfate Content (SO ₃)	%	3.5 max.	2.8
Loss On Ignition (LOI)	%	5.0 max.	3.4
Chloride (Cl ⁻)	%	0.1 max.	0.01
Physical Properties			
Specific Surface Area	m ² /kg	-	347
Soundness	mm	10 max.	1.0
Setting Time - Initial	mins	60 min.	160
Compressive Strength Mortar prism : 2 days (1:3:0.5)	N/mm ²	Not less than 10.0	21.3
	N/mm ²	Not less than 42.5	53.5



Reduction in CO₂

ENVIRONMENTAL BENEFITS

By using the most energy efficient dry-process kilns and cement mills to manufacture cement, lower energy consumption will result in lower CO₂ emission. In addition to that, YTL is also committed to the use of recycled non-fossil fuels, waste/alternative fuels and materials for cement production. This will reduce the environmental foot print for cement production and results in a greener cement product.

AVAILABILITY

OPC is available in bulk from Perak-Hanjoong Simen Sdn Bhd, Pahang Cement Sdn Bhd, Slag Cement Sdn Bhd (Westport) and Slag Cement (Southern) Sdn Bhd cement plants. The strategic locations of all these plants allow YTL to supply to all regions of the Peninsular Malaysia as well as the Singapore market.

QUALITY ASSURANCE

OPC is produced under stringent quality assurance, environmental management, health & safety and energy management systems.

It is certified to MS ISO 9001, MS ISO 14001, OHSAS 18001 & MS ISO 50001

Skin contact with wet cement, fresh concrete or mortar may cause irritation. It is recommended to use Personal Protective Equipments which include eye, hand, skin protection and dust masks. First aid treatment should involve the immediate bathing of the affected area with water.

