

MIX RATIO

Application	Cement	Sand	Aggregates
BRICKLAYING			-
	1 bag	20 buckets	
CONCRETING			
	1 bag	12 buckets	6 buckets

SPECIFICATION
SPESIFIKASI

ITEM/BAHAN	UNIT	MS EN 197-1 CEM II/B-L 32.5R	TYPICAL TEST RESULT
Sulphur Trioxide (SO ₃) <i>Sulfat trioksida</i>	%	3.5 max.	2.7
Chloride content (Cl) <i>Kandungan klorida</i>	%	0.1 max.	0.01
Initial setting time <i>Masa penetapan awal</i>	Minutes <i>Minit</i>	75 min.	182
Compressive strength <i>Kekuatan mampatan</i> 2 days/ <i>hari</i> 28 days/ <i>hari</i>	MPa	10 min. 32.5 - 52.5	17.6 39.6
Soundness <i>Kekukuhan</i> <i>(pengembangan)</i>	mm	10 max.	1.01
Packing <i>Saiz pek</i>		50kg / bag <i>50kg / beg</i>	



SIRIM
MS EN 197-1
CERTIFICATION NO : PC005086



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CORPORATE OFFICE

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**NS PORTLAND-LIMESTONE
CEMENT**
MULTI-PURPOSE CEMENT



Additional information is available at
www.cima.com.my





NS PORTLAND-LIMESTONE CEMENT

NS Portland-Limestone Cement is specifically formulated by the grinding of Portland cement clinker and other specially selected inorganic materials, as permitted under **MS EN 197-1**, through stringent quality control management system.

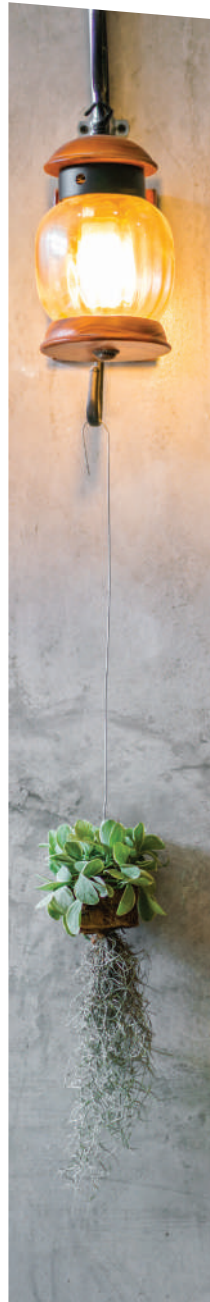
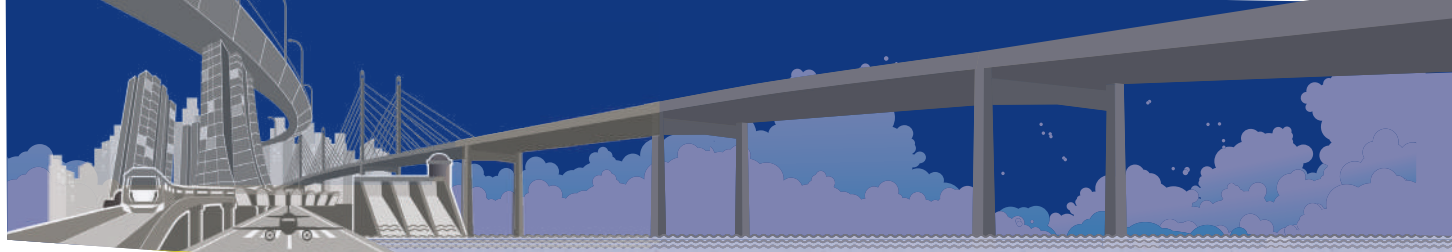
Application & Advantages

Suitable for all general purpose usage. With the appropriate proportion of water, sand and aggregates, **NS Portland-Limestone Cement** reveals the following characteristics:

- Improves workability
- Reduces bleeding
- Reduces environmental pollution
- Improves cohesiveness
- Improves surface finishing
- Richer mix

Standard Compliance

NS Portland-Limestone Cement meets the requirements of Malaysian Standards **MS EN 197-1 CEM II/B-L 32.5 R**.



NS PORTLAND-LIMESTONE CEMENT

NS Portland-Limestone Cement dirumus khas dengan mengisar klinker simen Portland dan lain-lain bahan bukan organik yang dipilih seperti yang dibenarkan mengikut **MS EN 197-1**, melalui kawalan kualiti yang ketat.

Aplikasi dan Kelebihan

Sesuai untuk semua kegunaan. Apabila dicampur dengan air, pasir dan batu mengikut kombinasi yang tepat, **NS Portland-Limestone Cement** mempamerkan ciri-ciri berikut:

- Memudahkan lepaan/meningkat keboleherjaan
- Mengurangkan pencairan
- Mengurangkan pencemaran alam sekitar
- Meningkatkan kejelekitan
- Meningkatkan kemasan permukaan
- Bancuhan yang pekat

Pematuhan Piawaian

NS Portland-Limestone Cement menepati keperluan Standard Malaysia **MS EN 197-1 CEM II/B-L 32.5 R**.



NS PORTLAND-LIMESTONE CEMENT

NS Portland-Limestone Cement 是在严格的品质管控系统下,采用符合马来西亚标准 **MS EN 197-1** 规格的水泥熟料和其他特选材料研磨而成。

用途与好处

适用于各种用途。若混合适当的水,沙和集料,

NS Portland-Limestone Cement 将能显露以下特征:

- 增强铺砌功能
- 减少泛出洋灰浮浆
- 减少环境污染
- 增强黏着力
- 增强表面的完工效果
- 更丰浓的混合

符合标准

NS Portland-Limestone Cement 符合马来西亚标准 **MS EN 197-1 CEM II/B-L 32.5 R** 的要求成分,规格和一般洋灰所需遵照的标准

