



شركة قطر الوطنية لصناعة الأسمنت (ش.م.ع.ق.) QATAR NATIONAL CEMENT COMPANY (Q.P.S.C.)

رأس مال الشركة 653,528,940 ريال قطري (مدفوع) The capital of company QAR 653,528,940 (Paid)



Technical Data Sheet

Ordinary Portland Cement

Product Name:

Ordinary Portland Cement - OPC

General use:

OPC is a general-purpose Portland cement

Standard:

EN 197-1:2011 (strength class 42.5N).

suitable for all uses where the special

properties of other types are not required. It is

Properties

used where cement or concrete is not subject

Working Life: Cement is a stable product.

to specific exposures, such as sulfate attack

Keep dry until use. Strength losses begin

from soil or water.

after 4 weeks to 6 weeks of storage in bags

Storage.

in normal conditions, and considerably

To protect cement from premature hydration

sooner under adverse weather conditions or

after delivery, bulk silos should be waterproof

high humidity.

and internal condensation should be

Setting Time; Initial (Vicat Test) Minimum 60

minutes. Paper bags should be stored clear

minutes.

of the ground, not more than eight bags high

The dry cement having spec. Gravity 3.15 to

and protected by a waterproof structure.

3.18 gm/cm³.

Instruction.

Expansion; maximum 10 mm (Le Chatellier).

Use appropriate respirators.

Compressive strength; Minimum 10.00

Use tight fitting goggles.

N/mm² after curing for 2-days and 42.50

Use gloves, boots & protective clothing to protect

N/mm² after curing for 28-days.

skin from prolonged contact with wet cement.

ص.ب: 1333 الدوحة - قطر P.O. Box: 1333 DOHA- QATAR

تليفون المكتب الرئيسي : 44693800 / 5/6/7 - 44694354 - تليفون المصنع : 40426222 (5 خطوط) - فاكس : 44712585 - 44712586 - س.ت رقم : 25
البريد الإلكتروني : gatacement@qatar.net.qa الموقع الإلكتروني : <http://www.gatacement.com>

Head office Tel.: 44693800 - 44694354 / 5/6/7 - Factory Tel. 40426222 (5Lines) - Fax: 44712585 - 44712586 - C.R. No. 25

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Precautions, health & safety.

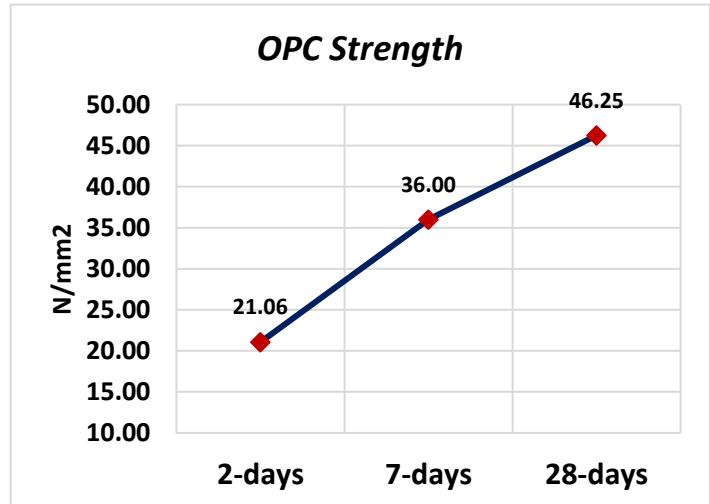
Dry cement in normal use has no harmful effect on dry skin. When cement is mixed with water, alkali is released. Precautions should therefore be taken to avoid dry cement entering the eyes, mouth and nose and to prevent skin contact with wet cement. Repeated skin contact with wet cement over a period may cause irritant contact dermatitis. The abrasiveness of the particles of cement and aggregate in mortar or concrete can contribute to this effect. Continued contact during a working day can lead to cement burns with ulceration but this is not common. Some people are sensitive to the small amounts of chromate, which may be present in cements and can develop allergic contact dermatitis, but this is rare. Clothing contaminated with wet cement, mortar or concrete should be removed and washed before further use.

If cement enters the eye it should immediately be washed out thoroughly with clean water and medical treatment should be sought without delay. Wet mortar or concrete on the skin should be washed off immediately.

Cement quality & Strength:

QNCC produces high quality cement through a precise quality plan, resulting in high strength product.

More than 70% of 28-days strength required by standard (42.50 N/mm²) obtained at 7-days.



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