

茲證明
EMPRESA
COMPANY

澳門混凝土有限公司
Macau Concrete Co., Ltd.

持有證書
Certificado N°
Certificate No.

發佈號
P8897 Emissão n° 3
Issue n.

有效期 data/date

2021年12月14日
14th December 2021

至 válido até/valid until

2023年12月13日
13th December 2023

所列產品
Produto
Product

預拌混凝土系列 F09 :

- 混凝土強度級別為 B45;
- 坍度級別為 S4

本混凝土系列的具體內容須參照本證書之附件。

Ready-mixed Concrete Family F09

- strength class B45;
- slump class S4

Detailed information regarding this family shall refer to the appendix of this certificate.

符合
em conformidade com
in conformity with

預拌混凝土認證細則(文件編號: LECM/RC/05)

Certification Rules for Ready-mixed Concrete (Document no. LECM/RC/05)

廠址
Fábrica
Factory

“鐵建砦 01”攪拌船，澳氹第四條跨海大橋 Z2-Z3 海域範圍
Batching barge “TieJianTong 01”, Sea area Z2-Z3 of Macau-Taipa fourth bridge

允許使用澳門土木工程實驗室認證標誌

Tem autorização para utilizar o logotipo de certificação do LECM
Has license to use LECM certification logo

請瀏覽LECM網站確認認證證書的最新狀態。

A actualização do certificado deve ser verificada na página do LECM.
The updated status of the certificate shall be checked in LECM website.



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本證書根據澳門政府第56/SATOP/98號批示所授予職權，由澳門土木工程實驗室簽發。

Este certificado é emitido pelo LECM de acordo com o Despacho no. 56/SATOP/98 do Governo de Macau.

This certificate is issued by LECM in accordance with the Dispatch no. 56/SATOP/98 of Macao Government.

澳門土木工程實驗室

Pelo Laboratório de Engenharia Civil de Macau

For and on behalf of the Civil Engineering Laboratory of Macau

董事會主席 Presidente da Direcção
President of the Board of Directors

澳門土木工程實驗室不會對在本檢定計劃下的產品之使用負上任何責任。本證書為澳門土木工程實驗室所擁有，當本實驗室有要求收回時應當發還。

Não pode ser imputada ao LECM qualquer responsabilidade pela utilização dos produtos abrangidos por este esquema de certificação. Este certificado é propriedade do LECM e deve ser devolvido sempre que solicitado.

LECM undertakes no responsibility for the utilization of the products contained in this certification scheme. This certificate is a property of LECM and shall be returned when required.

預拌混凝土認證證書附件(版本號 A)

Appendix of Ready-mixed Concrete Certificate (Version no. A)

證書編號

Cert. no.

P8897

發佈號

Issue no.

3

公司名稱

Company:

澳門混凝土有限公司

Macau Concrete Co., Ltd.

廠址

Factory address:

鐵建砵 01 攪拌船，澳氹第四條跨海大橋 Z2-Z3 海域範圍 Batching barge
“TieJianTong 01”, Sea area Z2-Z3 of Macau-Taipa fourth bridge

證書有效期由

effected since :

2021 年 12 月 14 日

14th December 2021

至

to

2023 年 12 月 13 日

13th December 2023

預拌混凝土系列 F09 的具體內容

- 所使用澳門水泥廠有限公司生產的硅酸鹽水泥種類 II/V 級別 42.5;
- 礦渣粉最大摻量為水泥量的 20%;
- 硅灰最大摻量為水泥量的 3%;
- 粗骨料為花崗岩質碎石,最大骨料粒徑 20mm, 細骨料為花崗岩質河砂;
- 使用緩凝減水劑和高效減水劑;
- 來自澳門公共供水系統的水作為拌合水;
- 混凝土強度級別為 B45;
- 坍度級別為 S4

參考混凝土為 B45 強度級別

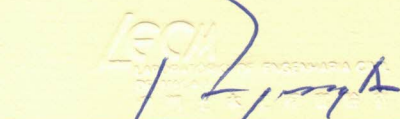
Detailed information about Ready-mixed Concrete Family F09

- with Portland Cement Type II/V 42.5 manufactured by Macau Cement Manufacturing Co., Ltd.;
- GGBS maximum content 20% of cement;
- Silica fume maximum content 3% of cement;
- crushed granitic stone with maximum size 20mm as coarse aggregate, river sand as fine aggregate;
- set retarding water reducer and superplasticizer as admixture;
- mixing water from Macao public water supply;
- strength class B45;
- slump class S4

The reference concrete is strength class B45

發佈於 2021 年 12 月 14 日

Issued on 14th December 2021



澳門土木工程實驗室董事會主席

President of the Board of Directors of the Civil Engineering Laboratory of Macau