

茲證明  
EMPRESA  
COMPANY

澳門混凝土有限公司  
Macau Concrete Co., Ltd.

持有證書  
Certificado N.º  
Certificate No.

P8888 發佈號  
Emissão n.º 5  
Issue n.

有效期 data/date  
2024年7月29日  
29<sup>th</sup> July 2024

至 válido até/valid until  
2026年7月28日  
28<sup>th</sup> July 2026

所列產品  
Produto  
Product

預拌混凝土系列 F08 :

- 混凝土強度級別為 B30 至 B45;
- 坍度級別為 S3

本混凝土系列的具體內容須參照本證書之附件。

Ready-mixed Concrete Family F08

- strength class B30 to B45;
- slump class S3

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

氹仔北安興隆街 114-128 號 Rua Heng Long 114-128, Pae On, Taipa, Macau

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.



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 Direção  
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。

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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. **P8888** 發佈號  
Issue no. **5**

公司名稱  
Company: **澳門混凝土有限公司**  
**Macau Concrete Co., Ltd.**

廠址  
Factory address: **氹仔北安興隆街 114-128 號** Rua Heng Long 114-128, Pac On, Taipa, Macau

證書有效期由  
effected since : **2024 年 07 月 29 日** 至 **2026 年 07 月 28 日**  
**29<sup>th</sup> July 2024** to **28<sup>th</sup> July 2026**

#### 預拌混凝土系列 F08 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;
- 粗骨料為花崗岩質碎石,最大骨料粒徑 20mm, 細骨料為碎石粉;
- 使用高效減水劑;
- 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 B30 至 B45;
- 坍度級別為 S3

參考混凝土為 B45 強度級別

#### Detailed information about Ready-mixed Concrete Family F08

- with Portland Cement Type II/V 42.5 manufactured by Macau Cement Manufacturing Co., Ltd.;
- crushed granitic stone with maximum size 20mm as coarse aggregate, crushed stone fine as fine aggregate;
- superplasticizer as admixture;
- mixing water from Macao public water supply;
- strength class B30 to B45;
- slump class S3

The reference concrete is strength class B45

發佈於 2024 年 7 月 16 日

Issued on 16<sup>th</sup> July 2024

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