



澳門土木工程實驗室

LABORATÓRIO DE ENGENHARIA CIVIL DE MACAU
Civil Engineering Laboratory of Macau

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.

P8933 發佈號
Emissão n° 1
Issue n.

有效期 data/date
2026 年 1 月 7 日
7th January 2026

至 válido até/valid until
2026 年 7 月 6 日
6th July 2026

所列產品
Produto
Product

預拌混凝土系列 F11 :

- 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 F11

- 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

澳門路環九澳聖母馬路 Estrada de Nossa Senhora de Ka-Ho, S/N, Ka Ho, Coloane, 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.
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A atualização do certificado deve ser verificada na página do LECM, ou fazer a leitura do código QR.
The updated status of the certificate shall be checked in LECM website or scanning the QR code.



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

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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

P8933

發佈號

1

Cert. no.

Issue no.

公司名稱

澳門混凝土有限公司

Company:

Macau Concrete Co., Ltd.

廠址

澳門路環九澳聖母馬路 Estrada de Nossa Senhora de Ka-Ho, S/N, Ka Ho, Coloane,

Factory address:

Macau

證書有效期由

2026 年 01 月 07 日

至

2026 年 07 月 06 日

effected since :

7th January 2026

to

6th July 2026

預拌混凝土系列 **F11** 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二/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 F11

- 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 2026 年 1 月 7 日

Issued on 7th January 2026

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