Hereby, I, José Luís Blanch, Civil Engineer, registered number 11.595, in my capacity as Executive Director of Pigra engineering,s.l.

I CERTIFY THAT:

As director of the works carried out in the Cadí tunnel, with the supply and installation of the 6 mm CARFOAM exposed sheet, these were carried out in 2012, with a total of 49,280 square metres being installed.

The work has been carried out as part of a phase of modernisation and improvement of the tunnel since its inauguration in 1984.

The CARFOAM exposed sheet has continued to be installed as it is the best and problem-free solution and the tunnel has been upgraded without the need to close it to traffic.

The Cadí tunnel has registered temperatures of up to minus 6º C in winter in its interior, in the 300 m counted from the north entrance, and no ice problems have occurred with the CARFOAM exposed sheet.

Yours sincerely,

46123430N JOSE LUIS BLANCH (R: B61607438)

SD : José Luis Blanch
Pigra engineering, s.l.

Approved,

Firmado digitalmente por Joan Comellas
Fecha: 2024.10.18 08:14:50 +02'00'

SD : Joan Comellas
Túnels de Barcelona i Cadí, Concessionària de la Generalitat de Catalunya, S.A.

Pigra engineering, sl. Registered in the Barcelona Mercantile Register, Volum 30.522, Secció General, Foli 0062, Full 172.927 NIF: B

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