SLOVENSKI STANDARD
SIST EN 1998-2:2006/A2:2012

01-marec-2012

Evrokod 8: Projektiranje konstrukcij na potresnih območjih - 2. del: Mostovi

Eurocode 8: Design of structures for earthquake resistance - Part 2: Bridges

Eurocode 8: Auslegung von Bauwerken gegen Erdbeben - Teil 2: Brücken

Eurocode 8: Calcul des structures pour leur résistance aux séismes - Partie 2 : Ponts

Ta slovenski standard je istoveten z: **EN 1998-2:2005/A2:2011**

ICS:

91.120.25	Zaščita pred potresi in vibracijami	Seismic and vibration protection
93.040	Gradnja mostov	Bridge construction

SIST EN 1998-2:2006/A2:2012 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1998-2:2005/A2

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ICS 91.120.25; 93.040

English Version

Eurocode 8: Design of structures for earthquake resistance - Part 2: Bridges

Eurocode 8 - Calcul des structures pour leur résistance aux séismes - Partie 2: Ponts

Eurocode 8: Auslegung von Bauwerken gegen Erdbeben - Teil 2: Brücken

This amendment A2 modifies the European Standard EN 1998-2:2005; it was approved by CEN on 8 April 2011.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 1998-2:2005/A2:2011) has been prepared by Technical Committee CEN/TC "Structural Eurocodes", the secretariat of which is held by BSI.

This Amendment to the European Standard EN 1998-2:2005 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2012, and conflicting national standards shall be withdrawn at the latest by September 2012.

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1 Modification to J.1

Replace **J.1**(2) by:

(2) The minimum isolator temperature for the seismic design situation, $T_{min,b}$, should correspond to the climatic conditions of the bridge location.

NOTE The method for determining the value of the minimum isolator temperature for use in a country in the seismic design situation may be found in its National Annex. The recommended method is as follows:

$$T_{min,b} = T_{av} - \psi_2 (T_{av} - T_{min}) + \psi_2 \Delta T_1$$

where

T_{av} is the annual average shade air temperature at the location of the bridge. It may be taken as the average of the characteristic values of the maximum and minimum ambient shade air temperatures at the bridge location, in accordance with EN 1991-1-5:2003, 6.1.3.2 i.e. $T_{av} = (T_{max} + T_{min})/2$. If no specific information is available the value T_{av} = 10ºC may be used.

ψ_2 is the combination factor for thermal actions for seismic design situations, in accordance with EN 1990:2002 and EN 1990:2002/A1:2005, Annex A2 and

$\Delta T_1 = T_{e,min} - T_{min}$ is the difference between the minimum uniform bridge temperature component $T_{e,min}$ and the minimum shade air temperature T_{min}, in accordance with EN 1991-1-5: 2003 and EN 1991-1-5:2003/AC:2009, 6.1.3.1(4).