

Proposals for improvement of
Eurocodes, based on local/European
projects
Eurocode: EN 1991-1-2



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Suggestion

- Annex A, Parametric temperature-time curves,

Heating phase

Cooling phase

$\Gamma_{\text{current}} = [O/b]^2 / [0.04/1160]^2$	$\frac{dT}{dt} = \left(\frac{dT}{dt}\right)_{\text{ref}}$
	
$\Gamma_{\text{mod}} = [O/b]^2 / [0.04/1900]^2$	$\frac{dT}{dt} = \left(\frac{dT}{dt}\right)_{\text{ref}} \frac{\sqrt{O/0.04}}{\sqrt{b/1900}}$

- Reference Buchanan [2002]

Example

