

### Introduction to Eurocode 6

| Location                       | Original                                                    | Amendment                                                   |
|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Page 4, Structural fire design | (Calculation methods are excluded by the UK NA to Part 1-1) | (Calculation methods are excluded by the UK NA to Part 1-2) |

### Vertical Resistance

| Location                           | Original                                                                                             | Amendment                                                                                                                                                                               |
|------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Figure 1, box bottom left          | Determine capacity reduction factor, $\Phi_m$ from Figure 8                                          | Determine capacity reduction factors, $\Phi_m$ and $\Phi_i$ (see page 6)                                                                                                                |
| Figure 1, box for $N_{Rd}$         | Calculate design resistance (per unit length) from:<br>$N_{Rd} = \Phi_m t f_k / \gamma_M$            | Calculate design resistance (per unit length) from <u>least favourable of</u> :<br>$N_{Rd} = \Phi_m t f_k / \gamma_M$<br>and $N_{Rd} = \Phi_i t f_k / \gamma_M$                         |
| Page 5, Assessment of eccentricity | $e_{init}$ = initial eccentricity for construction imperfections, which may be taken as $h_{ef}/450$ | $e_{init}$ = initial eccentricity for construction imperfections, which may be taken as $h_{ef}/450$ , with a sign that increases the absolute value of $e_i$ and $e_m$ as appropriate. |
| Figure 9                           | $\frac{2a_i}{h} = 1$                                                                                 | $\frac{2a_i}{h_{\xi}} = 1$                                                                                                                                                              |
| Figure 8, x-axis                   | Ratio, $h_{ef}/l_{ef}$                                                                               | Ratio, $h_{ef}/\underline{l}_{ef}$                                                                                                                                                      |

### Lateral Resistance

| Location                                                | Original                                                                                                                                                                                                                      | Amendment                                                                                                                                                                                                                                                 |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Figure 1, box for $M_{Ed1}$ and $M_{Ed2}$               | Obtain $\alpha$ from table 2 and calculate, $M_{Ed1}$ and $M_{Ed2}$ , where:<br>$M_{Ed1} = \alpha_1 W_{Ed} l^2$ , parallel to the bed joints or<br>$M_{Ed2} = \alpha_2 W_{Ed} l^2$ , perpendicular to the bed joints          | Obtain $\alpha_2$ from Table 2 and calculate, $M_{Ed1}$ and $M_{Ed2}$ , where:<br>$M_{Ed1} = \alpha_1 W_{Ed} l^2$ , parallel to the bed joints<br>where $\alpha_1 = \mu \alpha_2$ or<br>$M_{Ed2} = \alpha_2 W_{Ed} l^2$ , perpendicular to the bed joints |
| Page 3, step 7                                          | If $M_{Rd} \leq M_{Ed}...$                                                                                                                                                                                                    | If $M_{Ed} \leq M_{Rd}...$                                                                                                                                                                                                                                |
| Table 1, row 20, column 5 (7.3 N/mm <sup>2</sup> , M12) | 0.25                                                                                                                                                                                                                          | <u>0.35</u>                                                                                                                                                                                                                                               |
| Table 2, heading                                        | $\alpha_1$                                                                                                                                                                                                                    | $\alpha_2$                                                                                                                                                                                                                                                |
| Figure 3, graph                                         | -                                                                                                                                                                                                                             | Permissible range revised                                                                                                                                                                                                                                 |
| Figure 4, graph                                         | -                                                                                                                                                                                                                             | Permissible range revised                                                                                                                                                                                                                                 |
| Figure 4, heading                                       | ...restrained at one vertical edge, and...                                                                                                                                                                                    | ...restrained at <u>the</u> vertical edges, and...                                                                                                                                                                                                        |
| Figure 4, key                                           | -                                                                                                                                                                                                                             | Hatching added to vertical edge                                                                                                                                                                                                                           |
| Page 8, Selected symbols                                | $f_{xk1}$ Characteristic flexural strength of masonry having a plane of failure parallel to the bed joints<br>$f_{xk2}$ Characteristic flexural strength of masonry having a plane of failure perpendicular to the bed joints | $f_{xk1}$ Characteristic flexural strength of masonry having <u>the</u> plane of failure parallel to the bed joints<br>$f_{xk2}$ Characteristic flexural strength of masonry having <u>the</u> plane of failure perpendicular to the bed joints           |