

Erratum

Design against premature peeling failure of RC beams with externally bonded steel or FRP plates

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Further to the publication of this paper (Magazine of Concrete Research, 2001, 53 (4), 251–262), the following amendments should be made.

(1) In the notation:

- total concrete compression force is F_{cc} (and not F_{co} as printed in the paper)
- y_1 is the distance above the neutral axis at which the concrete compressive strain is equal to β (i.e. $y_1 = (\beta/\epsilon_c)y$)

(2) Equation (13b) should read:

$$M_c = 0.335f_{cu}b(y^2 - y_1^2) + y^2b \left(\frac{E_c\beta^3}{3\epsilon_c^2} + \frac{0.67f_{cu} - E_c\beta}{4\epsilon_c^2}\beta^2 \right) \quad (13b)$$

(3) Equation (13c) should read:

$$M_{peel-p} = 0.335f_{cu}b(y^2 - y_1^2) + y^2b \left(\frac{E_c\beta^3}{3\epsilon_c^2} + \frac{0.67f_{cu} - E_c\beta}{4\epsilon_c^2}\beta^2 \right) + A'_sf'_s(y - d') + A_sf_s(d - y) + A_p\sigma_{s(\min)}(D - y) \quad (13c)$$

(4) Equation (16) should read:

$$a = \frac{A_sf_s + A_p\sigma_{s(\min)} - A'_sf'_s}{bf_c} \quad (16)$$

(5) In Fig. 11, the depth of the uniform concrete stress block is equal to a .

Finally, it should be noted that all the numerical results presented in the paper are based on the correct version of the equations as presently given.