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1st printing

Guide for Modeling and Calculating Shrinkage and Creep in Hardened Concrete

A.1.1, Eq. (A-10), page 18, revised as:

For ultimate values, $(t-t_c) > 1$ year:

$$\gamma_{sh,d} = 1.17 - 0.00114d$$

$$\gamma_{sh,d} = 1.17 - 0.00456\left(\frac{V}{S}\right) \quad \text{in SI units}$$

$$\gamma_{sh,d} = 1.17 - 0.029d$$

$$\gamma_{sh,d} = 1.23 - 0.116\left(\frac{V}{S}\right) \quad \text{in in.-lb units} \quad (A-10)$$

$$\gamma_{sh,d} = 1.17 - 0.116\left(\frac{V}{S}\right)$$

A.2.1, page 21, Eq. (A-34), revised as:

$$\cancel{E_{cmt}} = E_{cm28} \left(\frac{t}{4 + 0.85t} \right) \quad (A-34)$$

$$E_{cmt} = E_{cm28} \left(\frac{t}{4 + 0.85t} \right)^{0.5} \quad (A-34)$$

A.2.2, page 22, Eq. (A-48), revised as:

$$\cancel{Cd(t,t_o,t_c)} = q5[\exp\{-8H(t)\} - \exp\{8H(t_o)\}]^{1/2}$$

$$Cd(t,t_o,t_c) = q5[\exp\{-8H(t)\} - \exp\{-8H(t_o)\}]^{1/2}$$

C.2.3, page 33, rows for “Time dependence factor” and “Ultimate shrinkage strain,” revised as:

Time dependence factor	$\frac{E_{cm607}}{E_{cm(t_c + \tau_{sh})}} = 1.16742 / [(t_c + \tau_{sh}) / (4 + 0.85(t_c + \tau_{sh}))] \quad (\text{A-32}) \ \& \ (\text{A-34})$	
	$\frac{E_{cm607}}{E_{cm(t_c + \tau_{sh})}} = 0.996 \quad (\text{A-32}) \ \& \ (\text{A-34})$	$\frac{E_{cm607}}{E_{cm(t_c + \tau_{sh})}} = 0.996 \quad (\text{A-32}) \ \& \ (\text{A-34})$
Ultimate shrinkage strain	$\epsilon_{sh\infty} = -\epsilon_{s\infty} E_{cm607} / E_{cm(t_c + \tau_{sh})} \quad (\text{A-32})$	
	$\epsilon_{sh\infty} = -777 \times 10^{-6} \quad (\text{A-32})$	$\epsilon_{sh\infty} = -778 \times 10^{-6} \quad (\text{A-32})$

Time dependence factor	$E_{cm607} / E_{cm(t_c + \tau_{sh})} = 1.0805 / [(t_c + \tau_{sh}) / (4 + 0.85(t_c + \tau_{sh}))]^{0.5} \quad (\text{A-32}) \ \& \ (\text{A-34})$	
	$E_{cm607} / E_{cm(t_c + \tau_{sh})} = 0.998 \quad (\text{A-32}) \ \& \ (\text{A-34})$	$E_{cm607} / E_{cm(t_c + \tau_{sh})} = 0.998 \quad (\text{A-32}) \ \& \ (\text{A-34})$
Ultimate shrinkage strain	$\epsilon_{sh\infty} = -\epsilon_{s\infty} E_{cm607} / E_{cm(t_c + \tau_{sh})} \quad (\text{A-32})$	
	$\epsilon_{sh\infty} = -778 \times 10^{-6} \quad (\text{A-32})$	$\epsilon_{sh\infty} = -779 \times 10^{-6} \quad (\text{A-32})$

Last revised March 6, 2014 @ 1:30.