

AGENDA
ACI SUBCOMMITTEE 562-0F

ACI Fall 2014 Convention
Washington DC

Saturday, 25 October 2014
6-9 pm CARDOZO

1. Call to Order
2. Self-Introductions and Membership Update
3. Approval of Agenda
4. Ballot comments review: refer to attached
5. Adjournment

Electronic Comments for ACI 562 Review

Name: ACI 562 – Fall 2014 CHAPTER 8 COMMENTS					Committee: 562	
Document #: 562 - Durability					Ballot Closing Date: 10/23/2014	
Initials	Chap #	Page #	Line#	P/E/S	Comment	Committee Response
FG	8	18	30	E	Suggest revising to “Causes of degradation” as this is used on pg 19 ln 9 referring to this list. Freezing and thawing , soft water leaching, etc. are causes of degradation, not types.	
FG	8	19	1	E	Suggest revising to “freezing and thawing cycles”	
FG	8	19	5	E	Suggest adding “...and combinations of these causes.” As degradation is usually not solely due to a single cause but an interaction of different causes.	
FG	8	19	18	E	Suggest revising to “Scaling if exposed to salts” as most any water soluble salt can cause scaling. While most scaling is from deicing chemicals it is not necessarily the only exposure that causes this type of scaling.	
FG	8	19	30	E	Suggest adding reference to ACI 515.2R Guide to Protective Systems. This lists many chemicals that attack concrete to a greater or lesser degree and suggests possible treatments.	
FG	8	21	28	E	Suggest revising to “...shall not contain added constituents at levels that are corrosive...” it matters little if the constituent is intentional or not, it is the cause of corrosion that matters.	
FG	8	22	19	E	The temperature also affects the corrosion rate	
FG	8	22	34	E	Suggest revising to “is typically as required by ACI 318-11.”	
FG	8	23	30	E	“...so as to not promote alkali-aggregate...”	
AN				G	Reference to 318 should be changed everywhere to 14 and not 11. This includes updating Chapter references. See page 4 lines 11 and 22, page 5 line 11 etc.	

Name: ACI 562 – Fall 2014 CHAPTER 8 COMMENTS					Committee: 562	
Document #: 562 - Durability					Ballot Closing Date: 10/23/2014	
Initials	Chap #	Page #	Line#	P/E/S	Comment	Committee Response
AN				G	Except for 318-14, suggest eliminating dates for all other documents cited. See page 10, line 3 and 33	
AN				G	When mentioning Design Basis Code, General Existing Building Code, etc. it may be appropriate to capitalize each word. See page 4 line 3	
KC	8	18	13	S	Shouldn't the design service life be decided by the LDP and the Owner. The statement puts a lot of responsibility on the LDP to "achieve an economical repair"	
KC	8	22	34	S	Shouldn't the minimum cover thickness be determined by the design basis code?	
JEB	8	18	11	E	Suggest reorganize paragraph and revise as follows: <i>“The <u>anticipated design service life of a structure and repaired members is a goal established by the licensed design professional to achieve an economical repair that satisfies both safety and serviceability requirements. The design service life of the structure and repaired members, including maintenance requirements, should be estimated in consultation with the owner and consideration of the properties of the materials. Such design service life should be reflected in the repair design and maintenance requirements, as well as be incorporated into the construction documents. Only through satisfactory repair construction practices, including application of the specified repair materials, is it possible to achieve that goal the design service life. A repaired section is considered to be the combination of the installed repair material(s) and the substrate material(s). Service life is discussed in ACI 365.1R.”</u></i> Tried to provide a flow of determine service life – design for service life – construction.	
JEB	8	20	11	S	Suggest replace “The code language is intended to allow” with “Alternative materials and methods may be used to	

Name: ACI 562 – Fall 2014 CHAPTER 8 COMMENTS					Committee: 562	
Document #: 562 - Durability					Ballot Closing Date: 10/23/2014	
Initials	Chap #	Page #	Line#	P/E/S	Comment	Committee Response
					provide” insert commas after “cover” and “coatings”, and delete “to be used”	
KEK	8	21	28	P	Does a sacrificial anode containing a halide material satisfy the code criteria? Some sacrificial anodes contain chloride to start the reaction that generates the current to protect the steel. Are we banning these products? I think commentary is needed to clarify this.	
KEK	8	21	29	P	Why not directly refer to ASTM C33 and C330 for normal weight and lightweight aggregates? ACI 318-11 refers to the ASTM Standards, but includes aggregate size requirements on size based upon member size with an out for the LDP. I could see pre-placed aggregate repairs that could potentially use a larger aggregate than allowable. Suggest – direct reference to ASTM for aggregate materials and a second provision to force LDP to select aggregate size based upon required durability and placement requirements.	
FMB	8	23	11	E	Suggest two sentences can be struck "Prestressed concrete structures are... ..bonded or unbonded to the concrete". This is elementary textbook stuff.	
FMB	8	23	12	E	Suggest "the prestressing force" not "a prestressing force"	

(P - Primary), (E – Editorial), or (S – Secondary)

(Add “P” to P/E/S – Add “0” to Pg# and “0” to Ln#, making it a General Comment)