

Document: 548.13 Comment Form

No.	Public Commenter Name	Pg #	Line #	Item #	Public Comment	Committee Response
1.	Daniel Toon	11	4-10	1.8.2.1.c	Provide specific minimum direction, not “may be.” If the ratio determination is made by mass, determine the volumetric ratio by multiplying the mass ratio of the components by the inverse of the ratio of the specific gravities of the components, as provided by the manufacturer of the components.	Changed to: If the ratio determination is made by mass, determine the volumetric ratio by multiplying the mass ratio of the components by the inverse of the ratio of the specific gravities of the components, as provided by the epoxy adhesive manufacturer.”
2.	Daniel Toon	12	8-12	2.2.1.2	Does the term “fillers” have a technical definition? Does the term “voids” in line 9 refer to voids within the adhesive internal matrix or within the concrete and adhesive interface? Provide clarification. See also 3.2.1.3 comments (page 18, lines 4-7).	Filler is defined in the ACI CT. Changed to: “Fillers may be used to increase the viscosity of the uncured multi-component epoxy adhesive or provide additional inert mass to fill voids between the bonded substrates without generating excess heat ...”
4.	Daniel Toon	17	1-3	2.3.6.1	This seems like a strange location for something that should be informational. As written, it seems to imply that the A/E will personally inspect or investigate the work. Should the specification mention a Testing Agency and specify standards for evaluation, or require specific qualification, rather than note the A/E will evaluate if the material was installed in accordance with manufacturer’s written instructions? Should the execution simply be to install in accordance with manufacturer’s written instructions and perform testing if indicated to demonstrate compliance? Should a QA plan be a requirement? Or should this provision simply exist to focus on the fact that evaluation must wait until the curing time is complete?	Changed to: “Bond to existing concrete shall be evaluated after the multi-component epoxy adhesive has cured in accordance with the adhesive manufacturer’s written instructions for the environmental conditions.”  A similar change was made to 3.3.6.1.
3.	Daniel Toon	17	10-11	2.3.6.3	This seems open ended, with no clear qualification of what would determine an unacceptable condition or actionable item for the contractor to expect from the A/E review.	Added content to mandatory checklist for Section 2.3.6.2 to specify unacceptable conditions.
5.	Daniel Toon	18	4-7	3.2.1.3	Again, does the term “fillers” have a technical definition? The wording here seems challenging. Unless otherwise specified, fillers may be used to thicken multi-component epoxy adhesives in accordance with manufacturer’s written instructions. A further note on what resources	Filler is defined in the ACI CT. Changed to: “Fillers may be used to increase the viscosity of the uncured multi-component epoxy adhesive in accordance with manufacturer’s written instructions ...”

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					might be engaged to determine when fillers would be appropriate could be added in the checklist entry. Sim at 2.2.1.2	The committee disagrees on the added note to checklist entry – adding manufacturer’s written instructions covers this issue, as the manufacturer of the epoxy adhesive is the only resource for modification of the epoxy adhesive.
6.	JK/ASCC	2	1	1	Do we know what “other materials” are?	Other materials are defined in Section 2.3
7.	JK/ASCC	2	7	1	“Keywords: <u>multi-component epoxy adhesive</u> ; bond...”	The committee disagrees with addition. Keywords are to aid in searching for the specification. Adhesive adequately serves this purpose.
8.	JK/ASCC	4	19	1	Define “other materials.”	Believe this to be referring to Page 11, Line 19: Other materials are defined in Section 2.3
9.	JK/ASCC	4	20	1	“3.1.1 <u>See exclusions in 2.1.1.1.</u> ”	The committee disagrees with this addition, as it would be redundant. The purpose of the statement is to point to the scope sections in the two parts of the specification. Section 2.1.1.1 is the scope of Part 2 and the exclusions are already incorporated.
10.	JK/ASCC	5	17	1	Define “newly prepared.”	Believe this to be referring to Page 12, Line 17: “Newly prepared” was used in the previous version of both 548.12 and 548.13 – the committee believes the statement is self-explanatory and that no precise timeframe can be defined to include all jobs. This will be taken up as new business to better define newly prepared concrete in future revisions.
11.	JK/ASCC	6	12	1	“Concrete surfaces shall have <del>an average</del> pull-off strength of at least 250 psi”	Believe this to be referring to Page 15, Line 12: Will change
12.	JK/ASCC	6	13	1	“based on the average of three tests” [alternatively, use language in 3.3.2.4]	Believe this to be referring to Page 15, Line 13: Will change
13.	JK/ASCC	7	9	1	Delete extra period.	Believe this to be referring to Page 19, Line 9: Will change.
14.	Daniel Toon	9	13-14	1.6.1	Does this provision prevent the sharing of material across project locations? Where a material has been handled in conformance with manufacturer’s recommendations, how can it be rejected due to being open when arriving, unless	That was not the intent. A sealed container is a container with the opening secured and has no operational taps or valves. The container is sealed to prevent spillage and release of VOCs.

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					delivery is defined as a transfer or a change in custody?	
15.	Daniel Toon	ALL	ALL	ALL	Place trigger clauses to the optional checklist at the beginning of relevant sections. Also, use consistent language in the clauses. That is, start these sections with “Unless otherwise specified...” or “As indicated in contract documents...”	The committee disagrees with this comment. Referral phrases are already present for all instances in the optional checklist. The request that sections begin with the referral phrase is not required by TCM and appears to be personal preference.