

## Amendment to

### AS/NZS 2312: Part 1 2014

Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings  
Part 1: Paint Coatings

Pages 51 to 54

Table 6.3

\*Reinstate systems ALK2 and ALK4 from 2002 edition.

*Justification: We have been hasty deleting these systems, as they appear to be widely used for the more benign environments and do not require the application or QC skills that most other systems require. ALK2 was a low cost primer/finish for benign conditions and widely used. ALK4 was essentially a low cost decorative system where there were colour/gloss requirements and some degree of resistance to wear and tear needed. While we have always said there are many acceptable systems not in the standard, it appears that those who specify these would be uncomfortable specifying systems that do not have Standards approval. These two systems do require blasting to Sa2½ unlike the three ALK systems still in, and we should be encouraging the much better standard of preparation for better durability and finish.*

ALK2	—	Sa 2½	High build alkyd primer	C04	75	—	—	—	—	—	75	15+	5-15	2-5	—	—	—	2-5
ALK4	—	Sa 2½	High build alkyd primer	C04	75	Alkyd gloss	C20	40	—	—	115	25+	5-25	2-5	—	—	—	2-5

\* System ACL4: Column 4, 5 (Type, PRN): Replace "HB Epoxy C13" with "VHB Epoxy C13a"

Systems ACC2, ACC4: Column 5 (PRN): Delete "C02"

Systems ACL1, ALK1, ALK2, ALK3 Column 3 (Surface prep): Delete "St3/Sa2." Replace with "St3/Sa1/Sa2"

*Justification: There is confusion that "St3/Sa2" does not include a simple brush blast (Sa1). This change makes it clear it is acceptable.*

System EVH2: Column 6 (Nom DFT): Delete "400". Replace with "400 or 2x200"

\* System EVH3: Column 9 (Nom DFT): Delete "400". Replace with "400 or 2x200"

*Justification: There are some products and situations where two thinner coats would be more desirable than a single coat of 400 microns.*

System IZS4: Column 17 (C4): Delete "5-25". Replace with "15-25"

\* System MCU1: Column 15 (C2): Delete "10-15". Replace with "15-25"

*Justification: This system has got to be more durable than ACC2 which has all its other cells with identical ranges as MCU1.*

System PSL2: Column 18, 19 (C5-I, C5-M): Delete "15-15". Replace with "15-25"

\* Also for consistency, in PSL2 and PSL3, replace "HB epoxy" with "High build epoxy"

System PUR2a: Column 8 (PRN): Delete "C26". Replace with "C15".

System PUR6, 7: Column 7, 8 (Type, PRN): Delete "High-build epoxy" "C13". Replace with "Epoxy mastic" "C32".

*Justification: It is unlikely that HBE would be specified as a tie-coat between Epoxy mastic or ZRE primers and PU.*

System PES3, VES2: Column 13 (Remarks): Delete “See Notes 4, 5, and 6”. Replace with “See Notes 5 and 6”.

System EPN1 (two places): Column 13 (Remarks): Add “See Notes 4 and 5”.

\* All EVH2: Column 5 (Nom DFT): Delete “400”. Replace with “400 or 2x200”. Delete all references to EVH3. Replace EVH4 (in “Alkaline Splash”) with EVH3 from Table 6.3 which now includes 2x200 microns as alternate.

*Justification: The EVH systems in Table C1 do not correlate to the EVH systems in Table 6.3. The current EVH3 in Table C1 is now covered by the amended definition to EVH2 which includes 2x200 microns as alternate.*

\* Table D1: PRN13a. Column 3, change thickness to ">200um".

Reinstate Paint C20 (used in ALK3):

C20	Gloss alkyd paint	Consists of alkyd resin binder and hydrocarbon solvent, with white or coloured pigments to suit	As a finishing paint over primed and undercoated steel  For interior or exterior weather exposures on tanks, roofing, pipelines and structural steel generally exposed to mild chemical and industrial fumes  Not suited to an environment having extreme chemical or corrosive conditions	45	Brush, roller or spray	AS 4025.1 APAS 0015/1 or APAS 0024/1
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