Resene
Engineered Coating Systems

Resene Equivalent to SNZ TS 3404:2018

Table 4 – Internal steelwork – Coating required only for appearance, surface-specific corrosivity category C1 and temporary during construction.

System Designation[a]	Surface preparation	Number of coats	Typical colour	Initial gloss	Allowable surface-specific corrosivity during construction[b]
ALK6	Sa 2 ½	3	Wide Range	Flat to Full Gloss	C4
IZS1		1		Flat	
PUR1	St 3	2		Low Sheen to Full Gloss	C4
ALK1[c]	St 3 / Sa 2	1	Limited range	Flat to Full Gloss	C2[d]
ALK3		2	Wide Range		C3

NOTE – All galvanized coatings are suitable for internal steelwork.

a Based-on AS/NZS 2312.1:2014.

b Based on a maximum of 1 year's exposure during construction.

c The Alkyd primer system ALK1 should not be used in grey colour because the breakdown of the system will be highly visible. Red-oxide colour is preferred to reduce the visual impact of minor and structurally acceptable rusting that may occur on the ALK1 system in a few years.

d Based on a maximum of 4 weeks' exposure during construction.

Table 5 – Coatings for Surface-Specific corrosivity category C2

Years	System Designation[a]	Surface Preparation	Number of coats	Typical colour	Initial Gloss
15	EPM3	Sa 2	2	Wide Range	Low to Full Gloss
	ACC2	Sa 2 ½			
	PUR2				
25	EBH4	Sa 2 ½	2	Limited Range	Semi-Gloss
	PUR3		3	Wide Range	Low Sheen to Full Gloss
	IZS1		1	Grey/Green	Flat
40	PUR5		3	Wide Range	Low Sheen to Full Gloss
	HDG390	See AS/NZS 4680	1	Grey[b]	Flat to Semi-Gloss
	TSZ100	Sa 2 ½	1		Flat

NOTE – All Galvanized coatings provide 15 years' corrosion protection, for galvanized coatings >18µm provide 25 years' corrosion protection, and all galvanized coatings >28µm provide 40years' corrosion protection.

a Based-on AS/NZS2312.1:2014 & AS/NZS 2312.2:2014

b Wide range when coloured sealer/topcoat is used.

Reference Material sourced from SNZ TS 3404:2018

Resene Equivalent to SNZ TS 3404:2018

Table 6 – Coatings for Surface-Specific corrosivity category C3

Years	System Designation[a]	Surface Preparation	Number of Coats	Typical Colour	Initial Gloss
15	IZS1	Sa 2 ½	1	Grey/Green	Flat
	EHB4		2	Limited Range	Semi-Gloss
	EHB5		3	Dark Grey MIOX	Flat
	ACC4			Wide Range	Semi-Gloss
	PUR4				Low Sheen to Full Gloss
25	PUR5		3	Wide Range	Low Sheen to Full Gloss
	ACC6	Sa 2 ½	3	Wide Range	Semi-Gloss to Full Gloss
	HDG390	See AS/NZS 4680	1	Grey[b]	Flat
40	IZS4	Sa 2 ½	1	Grey/Green	Flat
	TSZ100[c]			Grey[b]	
	HDG600	Sweep abrasive blast to AS/NZS 4680			
	HDG600-5D		4	Wide Range	Low Sheen to Full Gloss

NOTE – All galvanized coatings >32µm provide 15 years' corrosion protection. Galvanized coatings can be top coated, known as a duplex coating, to provide not only colour but also enhanced corrosion protection. See AS/NZS 2312.2:2014 for additional guidance.

a Based-on AS/NZS 2312.1:2014 & AS/NZS2312.2:2014

b Wide range when coloured sealer/topcoat is used.

c TSZ100 can be sealed or remain unsealed.

Reference Material sourced from SNZ TS 3404:2018

Resene
Engineered Coating Systems

Resene Equivalent to SNZ TS 3404:2018

Table 7 – Coatings for surface-specific corrosivity category C4

Years	System Designation[a]	Surface Preparation	Number of Coats	Typical Colour	Initial Gloss
15	TSZ100[b]	Sa 2 ½	1	Grey[c]	Flat
	ACC6		3	Wide Range	Semi-Gloss to Full Gloss
	PUR5				Low Sheen to Full Gloss
	EHB6			Dark Grey MIOX	Flat
	IZS4		1	Grey/Green	Flat
	HDG600	See AS/NZS 4680	1	Grey	Flat
25	HDG900				
	HDG600-5D	Sweep abrasive blast to AS/NZS 4680	4	Wide Range	Low Sheen to Full Gloss
	HDG600-5I		3	Dark Grey MIOX	Flat
	HDG600-4D		3	Wide Range	Low Sheen to Full Gloss
40	TSZ150S	Sa 2 ½	2	Grey[c] / Wide Range	Flat to Full Gloss
	HDG600-5D	Sweep abrasive blast to AS/NZS 4680	4	Wide Range	Low Sheen to Full Gloss
	HDG600-5I		3	Dark Grey MIOX	Flat

a Based-on AS/NZS 2312.1:2014 & AS/NZS 2312.2:2014.

b TSZ100 can be sealed or remain unsealed.

c Wide range when coloured sealer/topcoat is used.

Reference Material sourced from SNZ TS 3404:2018

Resene
Engineered Coating Systems

Resene Equivalent to SNZ TS 3404:2018

Table 8 – Coatings for surface-specific corrosivity category C5-M

Years	System Designation	Surface Preparation	Number of Coats	Typical Colour	Initial Gloss
15	ACC6	Sa 2 ½	3	Wide Range	Semi-Gloss to Full Gloss
	PUR5				Low Sheen to Full Gloss
	EHB6			Dark Grey MIOX	Flat
	TSZ150S[b]		2	Grey[c]	Flat
	HDG900	See AS/NZS 4680	1		
25	TSZ200S[b]	Sa 2 ½	2		
	HDG600-5D	Sweep abrasive Blast to AS/NZS 4680	4	Wide Range	Low Sheen to Full Gloss
	HDG600-5I		3	Dark Grey MIOX	Flat
40	TSZ300S[b, e]	Sa 2 ½	2	Grey[c]	Flat to Full Gloss
	TSA225S[e]				

a Based-on AS/NZS 2312.1:2014 and AS/NZS2312.2:2014.

b Only zinc/aluminium alloy (85%zinc, 15% Aluminium) to be used in C5-M environment.

c Wide range when coloured sealer/topcoat is used.

e Thermal Aluminium spray is mostly used for structures within 100m from the sea due to the high corrosivity category and abrasiveness of the environment, while thermal zinc spray is used for structures in the <C5 categories.