

19th February 2024

Ecoplus Systems Ltd
PO Box 105577
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Re: Ecoplus Systems Products Substitution

As requested, KCL Engineering Services Ltd (KCL) has reviewed Ecoplus Systems Ltd rolled products and confirms these may be used as direct substitutions for products from alternative suppliers, provided the products to be substituted have equivalent dimensional properties and minimum steel yield strength of 270MPa.

Where products from alternative suppliers have been incorporated into tested systems (such as Rondo or SRP studs in GIB Fire Rated Systems), Ecoplus Systems equivalent products can be substituted and assumed to provide equivalent performance provided the balance of the systems is constructed in accordance with the manufactures specification.

Steel Material Grade

Ecoplus Systems' cold form products up to and including 0.75BMT are manufactured in China using Chinese steel grade DX51D+Z275, with a minimum yield strength of 270MPa.

Ecoplus Systems' cold form products greater than 0.75BMT are supplied by local (NZ) manufacturers/suppliers with equivalent dimensional properties and minimum steel yield strength of 270MPa.

Steel Stud Substitutions

A comparison of the following Rondo, SRP & Studco products (as demonstrated in attached Tables) shows the product basic geometry and material grades are similar, as such direct substitutions can be made without additional engineering checks being carried out. Substitution is also acceptable for other suppliers not listed above with rollfomed products of similar dimensions with a minimum yield strength of 270MPa.

Regards,



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Concealed Grid Product Substitution List

	Rondo Product			SRP Product			Studco Product			EcoPlus Product Equivalent		
Top Cross Rails / Strong Backs												
Section Depth	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
26mm	Rondo 125	0.55	270	SRPTR036055	0.55	270	M25	0.55	270	No Substituton Available		
	Rondo 127	0.75	270	SRPTR036075	0.75	270	M27	0.75	270	EcoPlus 25x21 TCR	0.75	270
39mm	Rondo 128	0.75	270	No Substitution Available			M28	0.75	270	No Substituton Available		
Furring Channels / Battens												
Section Depth	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
13mm	Rondo 333	0.5	270	No Substitution Available			No Substitution Available			No Substitution Available		
16mm	Rondo 308	0.5	270	SRPCB016000 0.50BMT	0.5	270	M308	0.5	270	EcoPlus 16mm FC	0.55	270
28mm	Rondo 129	0.5	270	SRPCB028000 0.50BMT	0.5	270	M29	0.5	270	EcoPlus 28mm FC	0.55	270
35mm	Rondo 310	0.55	270	SRPCB035000 0.55BMT	0.55	270	No Substitution Available			No Substitution Available		
Equal Angles												
Section Depth	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
40mm	No Substitution Available			SRPWA040055	0.55	270	No Substitution Available			EcoPlus 40x0.55BMT-EA	0.55	270

Steel Stud Product Substitution List

	Rondo Product			SRP Product			Studco Product			EcoPlus Product Equivalent		
Lipped Wall Studs												
Section Width	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
51mm	401	0.5	270	SRPSS051055	0.55	270	S5150	0.5	270	No Substitution Available		
	489	0.75	270	SRPSS051075	0.75	270	S5175	0.75	270	EcoPlus 51x0.75BMT-LWS	0.75	270
	No Substitution Available			SRPSS051115	1.15	270	No Substitution Available			EcoPlus 51x1.15BMT-LWS	1.15	270
64mm	112	0.5	270	SRPSS064055	0.55	270	S6450	0.5	270	No Substitution Available		
	491	0.75	270	SRPSS064075	0.75	270	S6475	0.75	270	EcoPlus 64x0.75BMT-LWS	0.75	270
	661	1.15	270	SRPSS064115	1.15	270	S64115	1.15	270	EcoPlus 64x1.15BMT-LWS	1.15	270
76mm	403	0.55	270	SRPSS075055	0.55	270	S7655	0.55	270	No Substitution Available		
	493	0.75	270	SRPSS075075	0.75	270	S7675	0.75	270	No Substitution Available		
	671	1.15	270	SRPSS075115	1.15	270	S76115	1.15	270	No Substitution Available		
92mm	251	0.55	270	SRPSS092055	0.55	270	S9255	0.55	270	No Substitution Available		
	495	0.75	270	SRPSS092075	0.75	270	S9275	0.75	270	EcoPlus 92x0.75BMT-LWS	0.75	270
	681	1.15	270	SRPSS092115	1.15	270	S92115	1.15	270	EcoPlus 92x1.15BMT-LWS	1.15	270
150mm	No Substitution Available			SRPSS150055	0.55	270	No Substitution Available			No Substitution Available		
	511	0.75	270	SRPSS150075	0.75	270	S1507	0.75	270	EcoPlus 150x0.75BMT-LWS	0.75	270
	691	1.15	270	SRPSS150115	1.15	270	S15012	1.15	270	EcoPlus 150x1.15BMT-LWS	1.15	270
Quiet Stud	RQST	0.75	270	SRPWW092055	0.55	270	No Substitution Available			No Substitution Available		
	RQST	1.15	270	SRPWW092075	0.75	270	No Substitution Available			No Substitution Available		
Wall Stud Track												
Section Width	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
51mm	400	0.5	270	SRPST051055	0.55	270	T5155	0.5	270	No Substitution Available		
	490	0.7	270	SRPST051075	0.75	270	T5175	0.5	270	EcoPlus 51x0.75BMT-WST	0.75	270
	No Substitution Available			SRPST051115	1.15	270	No Substitution Available			EcoPlus 51x1.15BMT-WST	1.15	270
64mm	111	0.5	270	SRPST064055	0.55	270	T6455	0.5	270	No Substitution Available		
	492	0.7	270	SRPST064075	0.75	270	T6477	0.75	270	EcoPlus 64x0.75BMT-WST	0.75	270
	660	1.15	270	SRPST064115	1.15	270	T64115	1.15	270	EcoPlus 64x1.15BMT-WST	1.15	270
76mm	402	0.5	270	SRPST076055	0.55	270	T7655	0.5	270	No Substitution Available		
	494	0.7	270	SRPST076075	0.75	270	T7675	0.75	270	No Substitution Available		
	670	1.15	270	SRPST076115	1.15	270	T76115	1.15	270	No Substitution Available		
92mm	250	0.5	270	SRPST092055	0.55	270	T9255	0.5	270	No Substitution Available		
	496	0.7	270	SRPST092075	0.75	270	T9275	0.75	270	EcoPlus 92x0.75BMT-WST	0.75	270
	680	1.15	270	SRPST092115	1.15	270	T92115	1.15	270	EcoPlus 92x1.15BMT-WST	1.15	270
150mm	No Substitution Available			SRPST150055	0.55	270	No Substitution Available			No Substitution Available		
	No Substitution Available			SRPST150075	0.75	270	T15007	0.75	270	EcoPlus 150x0.75BMT-WST	0.75	270

	No Substitution Available			SRPST150115	1.15	270	T15012	1.15	270	EcoPlus 150x1.15BMT-WST	1.15	270
Deflection Head Track												
Section Width	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
51mm	488	0.7	270	SRPDT051075	0.75	270	DT5175	0.75	270	EcoPlus 51x0.75BMT-DHT	0.75	270
	No Substitution Available			SRPDT051115	1.15	270	No Substitution Available			EcoPlus 51x1.15BMT-DHT	1.15	270
64mm	497	0.7	270	SRPDT064075	0.75	270	DT6475	0.75	270	EcoPlus 64x0.75BMT-DHT	0.75	270
	663	1.15	270	SRPDT064115	1.15	270	DT64115	1.15	270	EcoPlus 64x1.15BMT-DHT	1.15	270
76mm	498	0.7	270	SRPDT076075	0.75	270	DT7675	0.75	270	No Substitution Available		
	673	1.15	270	SRPDT076115	1.15	270	DT76115	1.15	270	No Substitution Available		
92mm	499	0.7	270	SRPDT092075	0.75	270	DT9275	0.75	270	EcoPlus 92x0.75BMT-DHT	0.75	270
	683	1.15	270	SRPDT092115	1.15	270	DT92115	1.15	270	EcoPlus 92x1.15BMT-DHT	1.15	270
150mm	510	0.7	270	SRPDT150075	0.75	270	DT15007	0.75	270	EcoPlus 150x0.75BMT-DHT	0.75	270
	690	1.15	270	SRPDT150115	1.15	270	DT15012	1.15	270	EcoPlus 150x1.15BMT-DHT	1.15	270
Nogging Track												
Section Width	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)	Part No.	BMT (mm)	Min. Yield Stress (MPa)
51mm	503	0.7	270	SRPNT051075	0.75	270	No Substitution Available			EcoPlus 51x0.75BMT-NT	0.75	270
	No Substitution Available			SRPNT051115	1.15	270	No Substitution Available			EcoPlus 51x1.15BMT-NT	1.15	270
64mm	504	0.7	270	SRPNT064075	0.75	270	NT6475	0.75	270	EcoPlus 64x0.75BMT-NT	0.75	270
	No Substitution Available			SRPNT064115	1.15	270	No Substitution Available			EcoPlus 64x1.15BMT-NT	1.15	270
76mm	505	0.7	270	SRPNT076075	0.75	270	NT7675	0.75	270	No Substitution Available		
	No Substitution Available			SRPNT076115	1.15	270	No Substitution Available			No Substitution Available		
92mm	506	0.7	270	SRPNT092075	0.75	270	NT9275	0.75	270	EcoPlus 92x0.75BMT-NT	0.75	270
	No Substitution Available			SRPNT092115	1.15	270	No Substitution Available			EcoPlus 92x1.15BMT-NT	1.15	270
150mm	507	0.7	270	SRPNT150075	0.75	270	NT1507	0.75	270	EcoPlus 150x0.75BMT-NT	0.75	270
	No Substitution Available			SRPNT150115	1.15	270	No Substitution Available			EcoPlus 150x1.15BMT-NT	1.15	270