Carbon Content

Steel form component strength relies on strictly controlled 1045 carbon content

Steel strength and performance relies on strictly controlled carbon content. Too little carbon and steel deforms, too much carbon and steel cracks.

Imagine what can happen to form components under conrete pressure. Forms should not deform or break, especially when your project and reputation are on the line.

That's why we ran independent metallurgical tests on different brands of forms. While we expected some variation, we were surprised by the substandard carbon content of imported forms.

It seems importers are merely buying any type of form from Asia and who-knows-where-else. You have to wonder what kind of steel goes into that production.

Here's the big difference... SureBuilt routinely specifies, sources, tests and requires US-made 1045 steel to fabricate the best possible form components.

SureBuilt panels and fillers set the standard for quality concrete forms.

Carbon Content* Comparison - Competitor Handset Form Components			
Competitor	**Sample Component**	**Carbon****	**Independent Laboratory Notes**
Brand 1	Crossmember	0.15	Not in compliance
	Side/End Rail	0.40	Typical of 1040 material
Brand 2	Crossmember	0.49	Typical of 1045 material
	Side/End Rail	0.24	Not in compliance
Brand 3	Crossmember	0.37	Not in compliance
	Side/End Rail	0.38	Not in compliance
Brand 4	Crossmember	0.38	Typical of 1040 material
	Side/End Rail	0.30	Typical of 1030 material

* *SureBuilt routinely specifies, sources, tests and requires 1045 steel.*

** *Testing based on random and multiple samples of competitor handset form components.*

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