



# Rules and Regulations for Malaysian Concrete Canoe Competition 2017

## Summary of Mix Design

Cementitious material (CM)	Type/Name/Label	Specific Gravity	Weight (kg/m <sup>3</sup> )				
Cement, EN 197							
Cementitious 1							
Cementitious 2							
Cementitious 3							
Cementitious 4							
		Total					
Fibres (F)	Type/Name/Label	Specific Gravity	Weight (kg/m <sup>3</sup> )				
Fibre 1							
Fibre 2							
Fibre 3							
		Total					
Aggregate (AGG)	Type/Name/Label	Saturated Surface Dried (SSD) Specific Gravity	Weight (kg/m <sup>3</sup> )				
Aggregate 1							
Aggregate 2							
Aggregate 3							
		Total					
Liquid Admixtures (LA)	Type/Name/Label	Specific Gravity	Weight (kg/m <sup>3</sup> )				
Admixture 1							
Admixture 2							
Admixture 3							
		Total					
Solid Admixtures (SA)	Type/Name/Label	Specific Gravity	Weight (kg/m <sup>3</sup> )				
Powdered Admixture 1							
Powdered Admixture 2							
Powdered Admixture 3							
		Total					
Water (W)	-	Specific Gravity	Weight (kg/m <sup>3</sup> )				
Free water content	-	Total					
Densities, Air content, Ratios, and Slump							
	CM	F	AGG	LA	SA	W	Total
Mass of concrete (kg/m <sup>3</sup> )							
Wet Density Measured (kg/m <sup>3</sup> )				Slump/ Flow (mm)			
Oven Dried Density Measured (kg/m <sup>3</sup> )				Air content (%)			
Water-cement ratio				Water-CM ratio			