

# Product Contract

Customer Need	Attribute	Engineering Specifications
Rain Protection	Percent Coverage	Coverage $\geq$ Rain Jacket
Aerodynamics	Ratio of speed w/ Raindrop to speed w/out Raindrop	$\geq 0.6$
Compact	Collapsed Volume	Fits in bike basket that is $0.0376 \text{ m}^3$
Portable	Weight	$\leq 4.5 \text{ kg}$
Situational Awareness	Visibility/Sound	Noise $\leq$ Umbrella Vision $\approx$ Goggles
Quick Deployment	Time	$< 2$ minutes