"SCS-Metal Aero-Nano-Capsule"

Feature 1) **Better warmth retaining Property**

In addition to the metal layer that provides high heat-reflection, the hollow aero-capsule in its "nano" size is successfully arranged on the whole surface of the neoprene material. It makes it possible to increase 55% heat-retaining in comparison with any existing standard double lined materials. Consequently the material thickness can be drastically reduced while keeping the same warmth. For instance, 6.5mm thick to 3.0mm thick, 3.0mm to 1.3mm and 1.5mm to 0.6mm, respectively.

Feature 2) **Improved Super-low Coefficient of Dynamic Friction**

The most prominent feature of SCS is that it can remarkably reduce contact area to skin by providing SCS layer with Nano-Capsule in addition to its low friction resistance. As a result, the surface friction resistance can be reduced to 0.28 when dry and 0.025 when wet. Therefore, this will contribute to improving diving and swimming speed because of its lower underwater drag.

"Ti-a Nano-Capsule"

This material is functionally featured with better warmth retaining property. In addition to the current Ti-a layer that provides a high heat-reflection, the "Nano-Capsule" is successfully arranged on the whole surface of the neoprene material. It makes it possible to perfectly shut out the outside temperature because of the Nano unit micro-capsules’ function and to prevent the radiation of body temperature because of the hollow Nano-Capsule.