

SURF Tent for SHOT **(Special UVr Filter Tent for Self Heliotherapy in Thailand)**

SURF tent for SHOT was invented to provide the effective treatment of skin disorders by using natural sunlight for phototherapy or heliotherapy, increase Vitamin D synthesis affecting immunity to prevent diseases, maintain mood balance and promote the new level of wellness for everyone by accommodating users to benefit from natural sunlight as therapeutic ray at any time and any places.

The tent was made of the fabric specially coated by our novelty of NB-311 UVB Emission Coat to filter harmful UVA and UVB wavelength, then release only narrow band UVB (311 wavelength between 297-313 nm) through the tent to provide the most beneficial component of natural sunlight to user during exposure to the sunlight for self-heliotherapy.

Our novelty of NB-311 UVB Emission Coat was discovered by studying the perfect formular of Silatrane (Silica Complex for water base), Zinc Gluconate and Titania Glycolate mixture to increase the UV absorption efficiency by increasing surface area and amount of loading inorganic material that can best emit only Narrow Band UVB.

The tent is available in two position designs according to user's preference for their most comfort and convenience, i.e. lying down position for complete relaxation and sitting position for the users who have problems on their back, knees and legs pain.

For commercialization potential, SURF tent for SHOT is the invention that not only has high impact on medical use on dermatology, which can fulfill the demand of the phototherapy for skin disease treatment that everyone can afford, but also can create the opportunity for medical tourism in hot countries like Thailand by offering natural heliotherapy at the popular tourist destination for the benefits of Narrow Band UVB.

Moreover, our innovative NB-311 Emission coat can be utilized and developed the commercial products to the need of the wellness market as new UVr filtered fabric for the clothing and textile industry that optimize the benefits of Narrow band UVB in daily life while doing outdoor activities without skin damage to replace the existing products, which totally block all UV wavelength.



