



On Plastic Security Seals

Security seals are tamper-evident mechanisms that seal valuable material in a room, cabinet, vehicle, or other storage facility. One common use is to seal cargo in transit shipping containers in a way that provides tamper evidence and some level of rudimentary security. Such seals can help to detect theft or contamination, either accidental or deliberate. Security seals are commonly used to secure truck trailers, vessel containers, intermediate bulk containers, oil drums, chemical drums, valves and utility meters. Typically, they are considered an inexpensive way of providing tamper evidence of intrusion into sensitive spaces or objects.



These security seals are a common item of marine debris found on the beaches and foreshores of the east coast of Atauro, Timor-Leste. Below is a selection of seals found at Beloi beach during 2023-2024.





As most of the security seals had identifying company/organisation markings the origin of the seals could be determined. However some seals either had no visible markings or the markings were degraded and undecipherable.

The origin of a selection of seals are given below:

KLK Kaltim Complex

This company is based in Berau, East Kalimantan, Indonesia. Oil palm plantations and rubber plantations are their core business but are also involved in property development.

Mutu International, PT Mutuagung Lestari

This company is based in Depok, West Java, Indonesia. It is a leading testing, inspection and certification company. Including laboratory testing and certification, general cargo inspection, palm oil surveys, marine surveys and certification services for RSPO (Roundtable on Sustainable Palm Oil) and IPSO (Indonesian Sustainable Palm Oil).

LSN Lawana

PT Lawana Sukses Nusantara is an independent survey company based in Jakarta, Indonesia. The company activities include supervising vessel loading and discharging, inspection and supervision of ship tanks, loading operations, pre-shipment testing and analysis, pre-shipment inspection of ship tank, loading pipelines and cargo sealing.

PT Awana Sawit Lestari

This company is based in Sarudu, Pasangkayu, West Sulawesi, Indonesia. It is a trading and processing company with both import and export activities, including export of palm oil. And palm oil production facilities in West Sulawesi.

Solusi Bangun Indonesia

This company is a building materials company with the head office in Jakarta, Indonesia, but has a network of facilities across Java, Kalimantan, Sumatra and Aceh. Products include cement, readymix concrete, aggregates and waste management.

PT Tanjung Sawit Abadi

This company is a palm oil producer based at Pangkalan Bun, Central Kalimantan, Indonesia.

Gresik Portland Cement

A major Indonesian cement producer, based at Gresik near Surabaya, East Java