

## Specifications of Senso box 4lt

**Description** : Isothermal system Box type +ice packs

**Type(factory code)** : SENSO 4 LT ( **Cold chain** )

**Customer** : GSK HELLAS

**External dimensions (lxwxh)** : 335X262X221mm (19,40 LT )

**Net Payload space dim (lxwxh)** : 180x180x120 mm / 3,30 LT

**Suggested Period use** : October start to end April. .

**Target use** : **For** Cold chain distribution in **NOT** controlled Exterior temp ,to secure safe transport of High risk products for 48 Hours ,keeping internal Temp between +2 °to +8 ° .

Materials specs/descriptions :

**Exterior box** : 3 layers kraft carton printed White box dim 335x262x221mm (lxwxh)

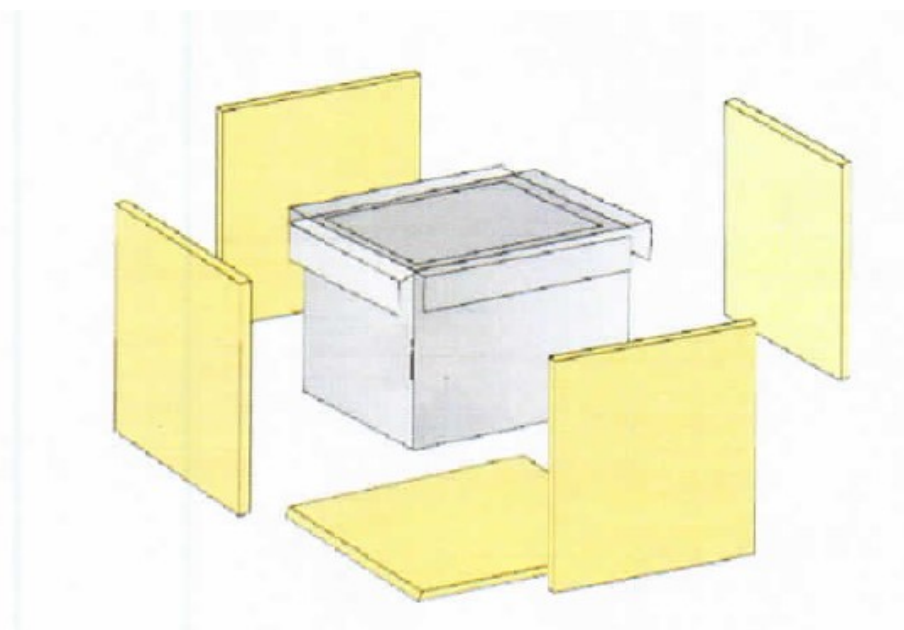
**Isolation** :PUR plates quality PIR thickness of 30 mm ,6 pcs as follows

2 pcs sides of 327x138mm (lxw)

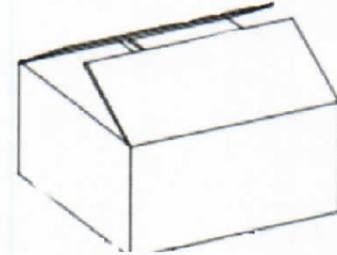
2 pcs sides of 195x140mm (lxw)

Base and top lid (2 pcs) of 330x265mm (lxw)

**Isolated Shield** :made of 3 layers :3 mm PU foam laminated with flame process ,with ALU foil enriched with glass fiber +kraft paper and laminated with carton 280/300 gsm rolls .This is a strong ,flexible shield ,used as extra cover of PUR plates to ensure the high thermal isolation and internal stability of Cold level during cold chain transport .The aluminium side offers a homogenous reflection of cold air in the inner space of box .This isolated shield is covering the 5 pcs of PIR plates as shown is following design.



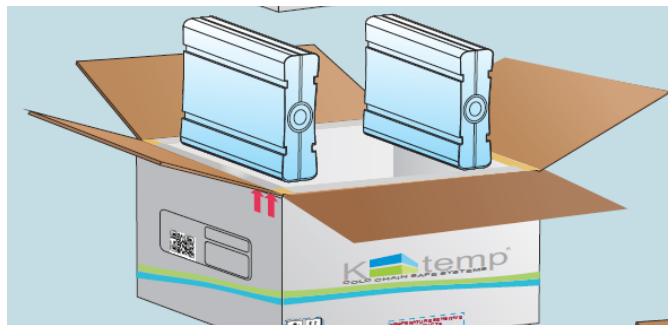
**Internal payload space:** This is the space where High risk products are stored for distribution in cold chain .Made of the same Isothermal shield as described before and in a form of stable <<box>>,Dimensions are **180x180x120mm** (lwxh) offering **3,6lt net space** as mentioned in start. Is totally isolated and the interior side which is the Alu side offers due to reflection of material a high level of Thermal isolation and stability of temperature between + 2 to +8 ° for cold chain transport requirements and for 48 hours



**Icepacks :**The ice packs is the freezing mean used in the Isothermal box to keep the High risks products cold during cola chain transport .The type of icepacks KTEMP uses ,is hard one ,ice packs are produced in Greece by company PLASTICA which meets all the High demands & quality standards and offers a correct homogenous escalation of **de frost** during the cold chain transport .,

The type of ice packs used in this box is **350 gr (2 pcs x350 gr )** .

The ice packs are set in box as shown below & **exterior of internal payload space and left/right.,**



**Lid PIR cover :**

Last but with high importancy is the PIR lid top which is sealing the Isothermal system . A PIR PLATE of 30mm thickness ,in dimension of 330x265mm (lxw) covered in all sides by Alu foil ,offers a great & high reflection of cold ,directing this in the box inner space ,securing and assisting in same time the cold air circulation /distribution in the inner box space.

With hermetic sealing due to strong construction .



