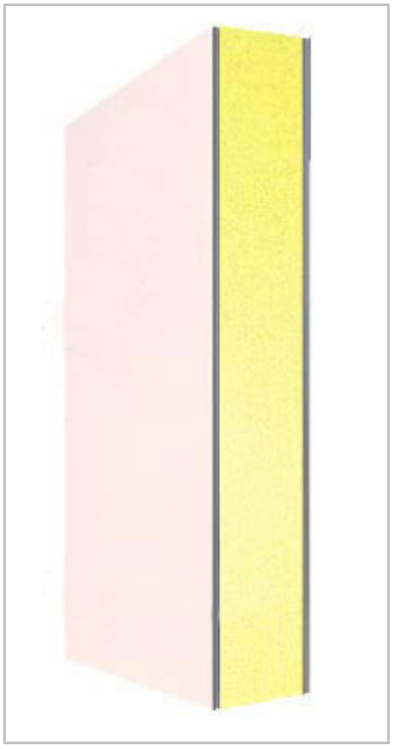
Panels used for light insulated swapbodies.



Insulation core
Hard polyurethae foam, bonded completely to the steel skins using large scaled foaming process. Foam thickness approx. 55-95 kg/m3

Impermeability to vapour
The metal skins provide absolute impermeability to vapour.No loss of insulating capacity or payload due to water absorption.

Corrosion resistance
The zinc-steel cathode effekt ensures chemical and physical resistance to corrosion.

Chemical and biological properties
Resistant to the usual chemicals, neutral odour, proof against corrosion and rot, resistant to fungus and microbes, no physiological effects, certified suitable for transporting food.

Tensile strength*
320 N/mm2(StE 320)

Resistance to compression
50 t/m² prie 10% compression

Resistance to penetration
With a sperical diameter of 20 mm, there is no lasting deformation forces up to 300 n.

Thermal expansion
The coefficient of steel is approx. 50% of that of aluminium and approx.30% of glas-fibre composities (depending on percentage of glass content). Any remaining thermal expansion is completely absorbed by the folded seams, leaving no permanent deformation.

Thermal transmission coefficient
Due to the good conductivity value of foam at ^ =0.022 w/(m*k) the k-value is at least 0.62.

Thermal storage capacity
The thermal storage capacity of the steel skins is considerabily less than that of glass-fibre composities, meaning that a great deal of power may be saved when cooling interior of the vehicle.

Scandinavian Shelter Systems AB
Bror Nilssons gata 16 ▯ SE41755 Göteborg ▯ Sweden ▯ Tel: +46 (0)31-51 77 70 ▯ Fax: +46 (0)31-51 77 75 ▯ info@3sgroup.se ▯ www.3sgroup.se
Reg#: 556693-9186 ▯ VAT#: SE556693918601 ▯ Bankgiro: 5851-9588