





Automotive

Stainless Steel Floor Panels for Refrigerated Trucks



Location	Seoul, Republic of Korea
Environment	Outdoor
Fabrication process	Stamping
Grade/surface	PosSD (KS STS329FLD, ASTM S82013) / 2B900 t
Main thickness or diameter	1.0 mm
Manufacturer	Otech
Material supplier	POSCO
Source of information	POSCO

Modern transport logistics make more use of refrigerated vehicles to keep food-stuffs fresh across short and long range delivery zones. Repeated use by handlers, whose primary objective is speed of loading and unloading, carries an ever present risk of damage due to wear and tear. The damp conditions inside the units also carry a risk of corrosion. Stainless steel is both resistant to corrosion and tougher than comparable materials and provides an ideal solution for this application. POSCO produces a lean duplex grade, PosSD, which has similar corrosion resistant properties to the austenitic grade 304, but offers twice the strength. Utilising this type of material allows the manufacturer to reduce the gauge significantly, bringing savings in material costs and as well as reducing the weight of the trucks, and therefore allowing for increased pay-loads.