



THE "NIDO" SAFE CAR: A STAINLESS STEEL "NEST"

Stainless steel is suitable for car structures because of its high energy absorbing capacity in the event of collision and its strain hardening properties (the faster the loading the more its resistance to deformation increases). A new frame concept has been developed, replacing the traditional floor tray, tunnel and firewall with a structure made from a stainless steel sheet. A major eco-friendly feature of this car is that stainless steel is completely recyclable.

LOCATION/ENVIRONMENT	Italy - outdoor
PRODUCT	
FABRICATION PROCESS	
GRADE	EN 1,4301 / AISI 304 (18Cr-8Ni)
SURFACE	2B
COMPETING MATERIAL	Carbon steel, aluminium
DATE OF COMPLETION	2004
MANUFACTURING COMPANY	Pininfarina SpA
MATERIAL SUPPLIER	ThyssenKrupp Acciai Speciali Terni SpA Acciaierie Valbruna Ilta Inox
SOURCE OF INFORMATION	Centro Inox
REMARKS	