

1. Hyundai Oil - Heat Exchanger Cover Insulation Coating

Coating Date	Feb 9-10, 2007	Customer	Hyundai Oil Bank, Daesan Factory
Coating Surface	- Heat Exchanger Cover - Carbon Steel Base		
Purpose	Prevent heat loss from heat exchanger cover thereby increase energy efficiency		
Methods	HPC: 3 applications (total of 12-15mm thickness) after grinding the metal surface SuperTherm: 2 applications (200 microns in thickness) EnamoGrip: 1 application (75 microns in thickness)		



<Surface temperature measurement before coatings>

Process



<Surface Grinding>



<After Grinding>



<HPC 1st application>



<HPC 2nd application>



<HPC 3rd application (12~15mm thick)>



<SuperTherm application>



<Surface temperature after SuperTherm application>



<EnamoGrip application>



<completed coating>



<Surface magnified after completing coatings>

2. Hyundai Oil - Heater Exterior Wall Insulation Coating

Coating Date	Feb 9-10, 2007	Customer	Hyundai Oil Bank, Daesan Factory
Coating Surface	- Exterior Wall of Cruise Tower Heater - Carbon Steel Base		
Purpose	Prevent heat loss from heat exchanger cover thereby increase energy efficiency		
Methods	HPC: 4 applications (total of 2-2.5 mm thickness) after grinding the metal surface		



<Heater Exterior Walls>

Process



<Inside Heating Chamber>



<Pre-Coat Surface Grinding>



<HSC: A total of 4 applications (2~2.5mm thickness)>



<Metal Surface Temperature>



<Coating Surface Temperature>



<Coating Completed>



<HSC surface magnification>



<Hot Surface Temperature>



<HSC seems to break down>