

Combine heat-insulating & heat-shield EU-201

Unlike existing products that have only one function of heat insulation or heat shield, it is an eco-friendly special paint that has heat insulation and heat shield functions integrated into one. (save heating or cooling expense)

Before



After

Simple method, Strong durability

With only one time construction, it has same effect as the top, middle, and bottom coats.

Eco-friendly carbon reduction, Energy savings

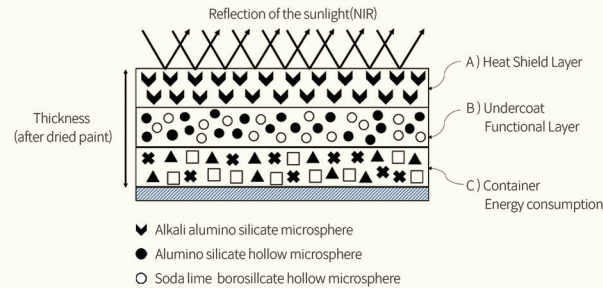
Acquired a Carbon Reduction Test report from an authorized testing institute (KCL) and was recognized as an innovative product recommended by the Ministry of Environment.

Eco-friendly

Zero harmful chemicals and heavy metals

Principle of complex function of heat insulating & heat-shielding

Insulation effect through ceramic hollow body, It exerts a heat shielding effect through a ceramic non-porous body.



During construction, the ceramic hollow body and the ceramic non-porous body form a series of layers, respectively, so that the thermal barrier performance is simultaneously demonstrated, and the energy saving effect is excellent.

Innovative product certified by Ministry of Environment

It is an innovative product recommended by the Ministry of Environment.

HEAT INSULATION	HEAT SHIELD	ECO-FRIENDLY PRODUCTS	GREEN TECHNOLOGY CERTIFICATION
CRRC CERTIFICATION	<ul style="list-style-type: none"> ✓ Reflects NIR of Solar Energy ✓ Blocks heat loss from heating and cooling of buildings ✓ Reducing of heating and cooling energy & Carbon Reduction 		K-INNOVATIVE PRODUCT



Ministry of Environment
Innovative product certified by Ministry of Environment

EU-201

Global No.1 Paint

Heat Insulating & Heat-Shield effect at once
Energy Saving & Carbon-Reduction as Paints



EUCNC

History

- 2019** Establish EUCNC in 2019
Corporate Affiliated Research Institute Certification
Certification on venture company in 2019
- 2020** Korea Institute of Industrial Technology - Designated as a partner company
Incheon Start-up Vitalization Award
- 2021** Korea-Russia Technical Cooperation Platform Establishment Agreement
POC with Korea Western Power
Established a local corporation in Russia (St. Petersburg)
Commendation from the Minister of Small and Medium Venture Business
- 2022** POC with Incheon Port Authority
Commendation from the Minister of Environment for eco-friendly technology promotion and green consumption
Eco-friendly Label Certification
Green Technology Certification
Innovative Product Certification
- 2023** Funding from S-OIL (mother company ARAMCO)
Relocation plant expansion(owned)
Selected as 100 material parts equipment startups
Commendation from the Minister of Science and ICT

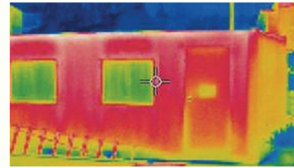


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Heat-insulating & heat shield effect at once

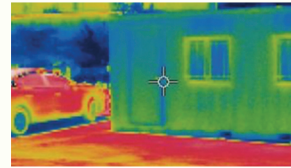
Unlike existing Products that have only on function of insulation or shield, it has both functions of heat-insulating & heat-shield, and each has excellent performance.

Temperature comparison before and after apply paint



before painting

High surface temperature by sunlight before apply paint temperature rises rapidly

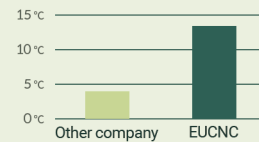


after painting

Low surface temperature due to heat shielding effect after apply paints (less than 8~13°C other paints) energy saving 30~50%

Product performance

Temperature reduction performance 3 times



- Insulation effect : 7~8°C
- Heat shielding effect : 8~13°C
- Number of painting : 1~2(350/μm)
- Eco-friendly Label Certification
- Innovative product certification

Existing product

has only one function of insulation or heat shield

Difficulty in customized production for each application due to inability to adjust the manufacturing recipe required three steps of process coats of lower coat, middle coat and top coat

EUCNC product

Has both insulation and heat shielding functions

Manufacturing recipe can be adjusted to enable customized production for each purpose only one or two coating with same paint

Energy saving and carbon reduction

Acquired a certified test report for greenhouse gas emission reduction rate. The highest reduction rate of green-house gas emissions by paint itself (approx. 50%)

Container Energy Consumption

kWh/day

Index	9/1	9/2	9/3
Unpainted	3.733	3.414	2.347
EUCNC	1.718	1.721	1.295
Japan	3.541	2.838	1.831

Container Greenhouse Gas Emissions

kgCO2eq

Index	DAY 1	DAY 2	DAY 3
Unpainted	1.715	1.568	1.078
EUCNC	0.789	0.791	0.595
Japan	1.627	1.304	0.841

Certified Carbon Reduction

- Official certification of Carbon Emission by KCL

