

HICC-100TC : : Heat Insulation Ceramic Coating



The coating was rubbed & brushed along the air conditioner pipeline. It prevent cool air inside the pipeline to form dew on the pipe caused by hot air outside the pipe.

Introduction / Main features

- A liquid formulation of ceramic coating for heat insulation purpose
- Also good for sound retardant property & fire retardant coating, as well as preventing rust
- Used for all interior and exterior vertical surfaces, roofing surfaces, ductwork, as well as other miscellaneous applications where heat retention is considered necessary
- Anti fungal agent to prevent mildew in humid place
- Over 40% of energy saving
- Cannot be used on horizontal surface under heavy traffic
- May be tinted to match any paint color
- Can be applied on concrete, metal, galvanize, aluminum, wood and other material. However different substrates bear different property and therefore, must properly prepared and approved by certified applicator
- Nano size particle - deeper penetration, better bonding, better protection
- Water based product - easy cleaning, less odor, non-flammable, quick dry, environmentally safe

Application

Any surface such as: Interior or exterior wall, roofing, ductwork, piping, factory building, warehouse, etc

Coverage

- 6-8 m2 / lt on a smooth surface
- 3-4 m2 / lt on a porous surface, such as: concrete

Technical Index

No	Detected Items	Performance Index
1	Base material	Copolymer acrylic emulsion
2	Viscosity (s)	150 ku
3	Solids by weight	40%
4	Solids by volume	42%
5	Tensile strength	220 psi
6	Elongation at break (ASTMD-2307)	320%
7	Permeability	10 perms
8	Flame Propagation speed (BS 476:Part &:1997)	Passed
9	Cigarette combustion	5
10	Steady ignition (minutes)	None
11	Emissivity (ASTME-408)	92 (wood and metal)
12	Aging experiment (3000h)	Unchangeable
13	Durability	Excellent
14	Color degeneration resistance	Excellent
15	Explosion resistance	Excellent
16	Completeness of the coating	Excellent
17	Spalling resistance (ASTMD-4541)	450 to 500 lbs/in2

Statement:

This brochure is based on our testing and experience and can be used as a construction guideline. Given the fact that many factors can affect the end result, we are only responsible for the quality of the product. As the technological progressing, we reserve the right to modify this specification without notice.

