

## Waterproof and thermo-shield paint COAT PC200

### DESCRIPTION

COAT PC200 waterproof and thermo-shield paint is produced from vacuum "microspheres" which has very low thermal conductivity, combined with the water resistance of acrylic resin which has good weatherability and other additives. Because this kind of vacuum "microspheres" only contains 7% of soil component and all the rest 93% is air, it is very effective in thermal insulation. This is unmatched by common paint produced by other manufacturers, which only use reflection of white color to insulate. In addition, because of the elasticity, weatherability, water resisting property of acrylic resin, it enables you to deal with waterproofing and thermal insulation at the same time, thus save your time and money.

### USE

COAT PC200 is intended for use on the following areas,

- Dwelling house, factory, school, hospital, department store, warehouse, hotel, gymnasium, iron sheet house, container-house and wooden house.
- Oil storage tank, gas storage tank, oil field, animal industry, cold storage house, oil pipe, and insulating pipe.
- Bus, small bus, water craft, aircraft, and vending machines.
- House roof, wall, window, balcony, flower-stand, bathroom, corrugated asbestos roofing, cement board, baking finish roofing and tinned steel sheet.
- Excellent exterior protective coating for polyurethane layer, polymer cement and etc.

### ADVANTAGES

- Very high radiant head reflectivity and very low thermal conductivity to provide wonderful thermal insulation effect.
- Very good sound isolation effect to reduce the sound of raindrop outside.
- Good durability and weatherability.
- Excellent water resisting property to permit no other waterproof construction.
- Maintain good effects within the temperature range of -40°C~200°C.
- Water-based and environmental friendly. Contain no heavy metal and other hazardous substances.
- Good adherence to cement, wood, metal and etc. substrates.

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### STANDARD COLOR CHART

White

### SURFACE PREPARATION

All surfaces should clean without any oil, grease, dust, dirt or other adhesion-inhibiting materials. If there is any crack or hole, it is necessary to repair them at first. If the surface is cement, concrete or mortar, dry surfaces may be dampened with few water before application.

### APPLICATION

Mechanically mix COAT PC200 prior to application. COAT PC200 should be applied by **brush, spray** or **roller**. First coat must be allowed to dry(approx. 2 to 4 hours) prior to the application of the next coat. Approximately 2.0 liter of clean water for every pail if you apply with spray. **Apply only when temperature is 50°F and rising. The COAT PC200 will have excellent water resistance after it dries. If the COAT PC200 has other excellent property (as elongation, adhesion, tensile, tensility? etc.), please test after 3 days of applying.**

### PHYSICAL PROPERTIES

Color	White
Solids by weight (105°C x 3hrs)	55-58%
Viscosity (20°C)	100-120 KU
PH (25°C)	7.50 ~ 8.50
Penetration rate of water vapor	40.8(g/m/24hrs)
Tensile strength	27(kgf/cm <sup>2</sup> )
Elongation rate	62%
Adhesion	No peeling off
Solar reflectivity	95.85%
Thermal conductivity	0.1017W/m.k

### COVERAGE RATE

COAT PC200 coverage rate will vary depending upon the surface to be coated and you want to achieve result. The rate of coverage is as follows:

**ENVIRCOAT**<sup>®</sup>

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## Waterproof and thermo-shield paint COAT PC200

A) The metal building:

Apply COAT PC200 at a rate of 1.4 to 1.7 gallons per 100 sq. ft. This yields an approximate dry film thickness of 0.5mm.

B) The roof of concrete building:

Apply COAT PC200 at a rate of 2.8 to 3.4 gallons per 100 sq. ft. This yields an approximate dry film thickness of 1.0 mm.

C) The wall of concrete building:

Apply COAT PC200 at a rate of 1.4 to 1.7 gallons per 100 sq. ft. This yields an approximate dry film thickness of 0.5mm.

### CARE OF TOOLS

Clean up of tools may be accomplished with water while coating is still wet. Dry coating may be cleaned with xylene. Take necessary precautions when handling flammable materials.

### CAUTION

Do not apply when rain is imminent. Protect from freezing. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner.

### PACKAGING

Available in 5 gallon pails.

※We suggest that COAT PT301 be applied on the layer with COAT PC200 to prevent dirt covering after application of COAT PC200.