

KERA COOL COAT

Heat resistant and waterproof coating



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DESCRIPTION

Kera Cool Coat is high quality, highly textured, 100% water-based acrylic elastomeric coating with Ceramic spheres providing waterproof and insulation coating. Kera Cool Coat can be applied for many types of surface include old roof or new roof covered by metal roof & concrete roof. They are designed with heat insulation and reflect solar radiation, deeply reducing metal roof temperature up to 20°C.



USE

- Metal roofs, tile roofs, walls, terraces, factories, schools, hotels, hospitals, stores, warehouses, container, wooden houses...
- Water tanks, oil tanks, industrial breeding facilities, cold storages, oil pipeline, insulation pipes...



ADVANTAGES

- High heat reflectivity, low coefficient thermal conductivity, effective heat resistance
- Low VOC/ Less odor.
- Good for high mold environment.
- High UV resistance.
- Excellent adhesion.
- Can be applied at 40 or higher.



STORAGE

6 months from date of manufacture, when be stored in original packaging, avoid sunshine; temperature from 20°C - 40°C.



PACKAGING

Kera Cool Coat is supplied in 16 kg/pail.

PRODUCT PROPERTIES

Dynamic elongation	200%
Temperature difference	Up to 20°C
Temperature Flex	Passed
Tensile strength	Good
Mildew resistant	Passed
Flexibility	2 mm
Weather resistant ability	4500 hours Passed
UV resistant ability	Good
Water repellency	97% Effective

COVERAGE



For estimating the quantity of materials:
0.4 kg/m² : 2 layers

APPLICATION METHOD



Preparation

The surface has been painted old

The surface must be cleaned with high pressure water spray to remove dirt or other impurities on the surface. Old paint positions that are peeling or rusting should be cleaned by mechanical preparation and applied with specialized anti-rust paint. Damaged areas need to be patched by a specialized material before apply Primer Cool Coat

Metal

Clean metal surface and apply a suitable primer.

Concrete surface

The moisture surface must be less than 15% of moisture measured by hygrometer. New concrete or mortar surfaces must be maintained within 10 days to neutralize alkalinity and release residual moisture. All surfaces must be solid, clean and free of dirt, mortar, construction debris, oil and impurities, weak adhesive materials, mold and other impurities...

Wood

Clean and prepare wooden surface properly. Handling knots first with stain-preventing primer, lining for the surface.



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Limitation

Do not apply to the surface if humidity > 15% when measured by electronic hygrometer.

Do not apply when raining, strong wind or weather > 40°C.

Cover and block application areas by canvas, avoid affecting the surrounding areas.



Notes:

- White color should be used to maximize heat-resistant ability.

- Check the weather forecast and actual weather before apply to ensure the best condition.

- The use of grooved joint or blocks will increase surface area by 20-30% or more and reduce coverage rate.

- It is recommended to test materials on the wall or test panel, or the actual surface to determine color, surface porosity, rate and suitable application method before final application.



Application

Apply 2 coats on the surface with the recommended coverage rate for each layer to create homogeneous and pinhole-free surface. Apply again after about 4 hours.



Apply by airless spray

Keep the rhythm of the movement evenly, repeat many times, ensure the close coverage, create homogeneous membrane and pinhole-free surface.

MAINTENANCE



Allow floor coating to cure at least one week before cleaning by mechanical means.

CARE: Kera Cool Coat can be easily maintained by damp mopping using a neutral cleaner. For more heavily soiled areas an alkaline cleaner may be necessary followed by complete rinsing with clean water.

CAUTION: Opened material should not be left more than 24 hours before apply, repair and maintain. This will reduce the quality of the finished surface.

SAFETY PRECAUTIONS



Under the normal operating conditions, Kera Cool Coat is safe during mixing and construction process, however, safety conditions must still pay attention during all construction time.

Construction areas must be completely free of substance flammable, not too hot, absolutely no smoking around the construction areas.

Avoid make solution contact with skin, eyes and necessary protective equipment is required. If the solution contacts with skin clean immediately with water or contact with eyes, call for doctor.

CURING

Temp	Walking	Light Traffic	Full Traffic
+10°C	24 h	3 days	10 days
+20°C	18 h	2 days	7 days
+30°C	12 h	1 day	5 days

CLEANING EQUIPMENT



Clean equipment and tools immediately after use by solvent. Hard dry material can be removed by mechanical preparation.

