

KEMATHERM + 200

One-Component Aluminum Coating for High-Temperature Areas

Description:

- **Kematherm +200** is a one component, aluminum finishing coating based on modified hydrocarbon resins with high heat resistance up to (+300°C).

Fields of Use:

- . Topcoat for hot pipes, chimneys, and machinery
- . Used when a high-temperature resistant coating is required, for use in areas with high temperatures (200°C continuous)

Technical Characteristics: (at 25 °C)

Colour	Aluminum
Density	0.96 ± 0.02 g/cm ³
Viscosity	0.7 poise
Fineness:	10 microns
Solid Content (by Vol.):	50% ± 0.02%
Solid Content (by wt.):	54.91% ± 0.02%
DFT:	20-30 microns
Minimum Operating Temp.	+5°C (Air and Product)
Maximum Relative Humidity:	85%

Recoating Time:

Temperature	+5°C	+10°C	+20°C	+30°C
Time (hours)	24	10	4	2

Theoretical Consumption Rate:

20 m²/kg (25 micron thickness)

Directions for use :

- Clean the steel surfaces by sandblasting to the standard grade ISO (Sa 2.5).
- Use a high-temperature-resistant primer such as Kema Poxy 131 Primex.
- Stir the product “Kematherm + 200 “ thoroughly using a drill at a slow speed of 300 RPM.
- Apply the final coat by brush, roller or spray according to the surface area.
- For indoor spaces and tanks, ensure good ventilation during operation and curing to achieve the desired results.

Operating Methods:

- Brush/Roller
- Airless Spraying: Pressure 100-120 bar, nozzle diameter 0.18 – 0.23 mm.
- Air Spray Gun: Pressure 3-4 bar, nozzle diameter 1–1.5mm. (ensure dry air)

Paint quality: Paint quality is affected by several factors, including surface preparation, climatic conditions during application, curing, and the worker's skill in both surface preparation and application.

Safety Precautions:

- Application of kematherm +200 should be carried out in well ventilated place.
- Gloves, protective clothing and eye goggles should be worn during application.
- Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.
- If the material is splashed into the eyes, they should be immediately washed with water and then report to an eye specialist.
- Do not eat or smoke during application.

Storage / Shelf life:

- For 12 months in tightly sealed containers at a temperature of +25°C in a closed environment, away from freezing, heat, and humidity.
- Used containers must be resealed tightly immediately after use.

Packaging:

1 kg - 2.5 kg