



TECHNICAL DATA SHEET

RenCoat ACC (Anti-Condensation Coating)

Advanced Anti-Condensation & Thermal Barrier Coating
Smart Protection. Superior Performance.

RenCoat ACC is a revolutionary water-based acrylic coating designed to deliver powerful thermal insulation and effective anti-condensation protection—all in one simple application. Ideal for marine vessels and other demanding environments, RenCoat ACC reduces surface temperatures significantly, even with minimal thickness. It's the smart choice for energy efficiency, comfort, and durability.



PROPERTIES

- Excellent thermal insulation at low thickness
- Fast curing times
- Significantly reduces heat absorption from radiant heat gain
- Easily applicable to irregular surfaces

Base : Water-based Acrylic Coating

Finish : Matte (Flat)

Priming : Self-priming on non-ferrous substrates; primer required for other surfaces

Finish Coat Application: Consult RenCoat prior to use

Wet Weight : 0.78 kg/L

Dry Film Weight : 0.360 kg/m² at 1 mm thickness

Solids Content : 73–77%

Maximum Application Temperature: 185°C

Storage Conditions:

- Store in original, unopened packaging
- Keep in a cool, dry area protected from frost and direct sunlight
- **Shelf life:** 24 months from manufacturing date

APPLICATION DETAILS

Surface Preparation: Surfaces must be clean, dry, and free from oil, dirt, and other contaminants.

Ferrous and Non-Ferrous Surfaces:

- **Ferrous surfaces:** Must be primed before applying RenCoat ACC
- **Non-ferrous surfaces:** May be coated directly if clean and contaminant-free

Recommended Equipment:

- Airless sprayer
- Small spray gun
- Brush or roller

Surface Temperature : Should be above 5°C during application

Application Thickness: Can be applied in successive coats to improve insulation

Mixing: Use a mud-mixing paddle only

PACKAGING, HANDLING & STORAGE

- **Container Weight (Wet)** : 14.0–14.4 kg (18 liters)
- **Net Contents:** 14.0 kg (18 liters)
- **Shelf Life** : 24 months from manufacturing date
- **Flash Point** : None
- Reseal container properly after use to prevent air exposure

CLEANUP & SAFETY

Cleanup: Clean application tools with water

Safety Precautions:

- **Minimum protection:** Respirator mask
- Eye protection recommended, especially with spray application
- Safety gloves and protective clothing advised
- Ensure proper ventilation, especially in enclosed spaces

DRYING & CURING TIMES

Drying time may vary depending on environmental conditions such as airflow and humidity. Thinner coats will dry faster.

DRYING & CURING TIMES		
Ambient Temperature	Recoat Time	Full Cure
15-20°C/31-50%	6 hrs	60-72 hrs
21-25°C/31-50%	3,5 hrs	48-60 hrs
26-30°C/31-50%	2,5 hrs	36-48 hrs
31-35°C/31-50%	2 hrs	20-24 hrs
36-40°C/31-50%	1 hrs	18-20 hrs

Built for Tough Conditions. Designed for Easy Use.

RenCoat ACC is your go-to coating for thermal comfort and condensation control—engineered to perform, built to last.

🌐 For more information, visit: www.renboya.com