



TECHNICAL DATA SHEET

RENOAT TIC (Thermal Insulation Coating)

RENOAT TIC is a specially modified elastomeric resin-based thermal insulation coating.

It features a patterned surface with natural vacuumed beads applied through a proprietary process.



PROPERTIES

- Excellent thermal barrier
- Easy application to standard surfaces

Base: Water-based Acrylic Coating

Gloss: Matte/Flat

Wet Weight: 1.10 kg/L

Dry Film Weight: 0.85 kg/m² at 1 mm thickness

Solids Content: 65–68%

Limitations: Do not exceed 165°C during application

Storage: Can be stored for up to 2 years in an unopened package in a cool, dry place protected from frost and direct sunlight

SURFACE PREPARATION

Application Surface: Must be dry and free of dust, oil, or other contaminants.

Ferrous Surfaces: Should be primed before applying RENCOAT TIC.

Non-ferrous Surfaces: Ensure surfaces are clean and free from oil, dirt, or other foreign matter.

APPLICATION EQUIPMENT

- Airless Sprayer
- Brush or Roll

APPLICATION CONDITIONS

Surface Temperature: Must be above 5°C during application

Application Thickness: Can be applied in successive coats to increase insulation performance

MIXING & THINNING

- Use a mixing paddle for thorough mixing

PACKAGING, HANDLING & STORAGE

Container Wet Weight: 19.5–20.5 kg / 18 liters

Net Contents: 19.8 kg / 18 liters

Flash Point: None

Storage: Store in a cool, dry place, away from frost and direct sunlight. Close the bucket properly after use to prevent air penetration.

Shelf Life: 24 months from the manufacture date

CLEANUP & SAFETY

Cleanup: Equipment can be cleaned with water

Safety:

Minimum protection: Respirator mask Eye protection recommended due to spray application Ensure adequate ventilation in confined areas

DRY TIMES/ HUMIDITY

Cure Times	
Temperature	Cure Time
10–15°C	36-48 hrs
16–21°C	20-24 hrs
22–26°C	18-20 hrs
27–32°C	16-18 hrs
33–37°C	12-16 hrs

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