

## DECICOAT™ T35

This installation guide provides recommendations to maximise the service life in various applications. Decicoat™ T35 is a water-based thermal insulation compound that is simple to apply using a range of spray systems.

### WORKING HEALTH AND SAFETY

- Ventilation is recommended for enclosed areas
- Personal Protection Equipment (PPE) including eye protection, gloves, respirator and safety clothing is recommended
- Equipment is easily cleaned with water

### SURFACE PREPARATION

The product is specifically formulated to provide strong adhesion to difficult substrates such as uncoated aluminium, however, adequate surface preparation is essential for the best results.

- Ensure surfaces are free from dust, dirt, oil, grease, rust, mould, release agent, etc.
- It is recommended to abrade highly polished surfaces by wire brushing, sandblasting or using abrasive paper
- Ensure substrates are completely dry before applying Decicoat™ T35
- Decicoat™ T35 can be applied to a range of metallic substrates

### MIXING

- Decicoat™ T35 should be thoroughly mixed before application using a ribbon or paddle mixer
- Mix until it is at a smooth and creamy consistency
- The pail can be placed upside down for 24 hours before use/opening to make mixing easier

### RECOMMENDED APPLICATION METHODS

#### Spray systems:

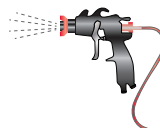
- Air assisted
- Airless spray systems

#### Suggested systems:

- Pneumatic piston pump with XTR-7 airless spray gun
- GNG/T3005 texture gun with bottom entry pressure pot

#### Trowel

- Can easily be applied by trowel



*Ventilation can be used to assist in drying of the coating. Air movement should be both in/out during the drying process.*

## applications

- Marine vessels: interiors of superstructures and hulls in workboats, luxury yachts and super-liners
- Offshore platforms: interior structures of habitable areas
- Industrial: for underside of metal deck roofing and metal wall cladding
- Automotive: heavy vehicles, buses, trailers, tractors
- Rail applications: cars, interiors
- Domestic: pipes, walls, interiors
- Applied in conjunction with traditional fibrous or foam insulation to improve overall thermal insulation systems
- Applications exposed to high humidity and temperature fluctuations

Please refer to our website [pyroteknc.com](http://pyroteknc.com) for the latest information



## APPLICATION

### Application rate and coverage:

- The minimum dry film thickness (DFT) should be 0.5 mm (0.02 in)
- A DFT of 2 mm (0.08 in) is recommended when applied to a system
- Additional thickness can be applied to achieve desired results
- Each coating should be 0.5 mm (0.02 in) to 1 mm (0.04 in) thick when applied
- The product must be dry before applying any additional coatings
- Allow at least 1 hour for 0.5 mm (0.02 in) coating to dry
- 1 mm (0.04 in) coating is touch dry after 1 hour
- It is dry enough for another coating after 1.5 hours
- 2 mm (0.08 in) coating can take up to 6 hours to dry at 35 °C (95 °F) with a relative humidity of 50%
- For best results, allow the compound to dry naturally
- Forced drying may result in cracking
- Decicoat™ T35 requires at least 1 day to fully cure
- In humid environments, the product can take longer to cure
- The application rate and curing time will vary in environments greater than 70% humidity
- Thicker applications as a single coat are possible but will require a longer drying time
- Apply the product above ambient temperatures of 10 °C (50 °F)
- The substrate can be 'warmed' to aid the drying process in cold conditions

### Thickness check:

- A wet film gauge can be used to ensure the correct thickness achieved


## PRODUCT INFORMATION

Product	Decicoat™ T35
Weight	0.4 kg/m <sup>2</sup> /mm DFT (0.08 lb/ft <sup>2</sup> /mm DFT)
Consumption for 1 mm (0.04 in) DFT <i>Includes allowance for up to 10% material shrinkage</i>	1.1 L/m <sup>2</sup> (0.027 gal/ft <sup>2</sup> )

### Packaging and storage:

- Available in 19 L (5 gal) pail and 200 L (53 gal) drum
- Shelf life: 24 months from date of manufacture under recommended storage conditions
- Do **not** allow the product to freeze
- Stored and transported between 10 °C to 45 °C (50 °F to 115 °F)
- The product can be reused if sealed firmly and stored correctly after use

Please contact Pyrotek® for further information or detailed advice on your specific application.

	RECOMMENDED SPRAY SYSTEMS	
	PNEUMATIC PISTON PUMP (Airless)	BOTTOM ENTRY PRESSURE POT
Gun type	XTR-7 Airless Spray Guns	T3005 Texture Gun, Bottom Entry
Line Pressure NB: Higher pressure required for longer hose lengths.	207 bar (3000 psi)	2-4 bar (30-60 psi)
Length of hose from pump to gun	6 m + 1 m (19.7 ft + 3.3 ft) whipping	5 m to 20 m (16.4 ft to 65.6 ft)
Diameter of hose	9.5 mm (3/8 in) ID and 6.5 mm (1/4 in) ID whipping	19 mm (3/4 in) ID
Diameter of nozzle	0.6 mm - 0.7 mm (0.024 in - 0.028 in) (Reversible tip 523 - 529)*	2 mm (0.079 in)
Pump type	Ratio 70:1 piston pump	20 L (5.3 gal) bottom entry pressure pot
Air pressure	2.2 bar (32 psi)	Pressure in gun: 6 bar (85 psi) Pressure in pot: 2-4 bar (30-60 psi)

The above table is a general guide only. \*Medium fan size tip.

On-site application trials must be carried out prior to full production.

Remove strainers/filters from the spray gun and pump inlet to avoid clogging the pneumatic piston pump. Use tip 329 for a smaller fan size or tip 629 for a larger fan size.