

BUILT TOUGH FOR  
**AUSTRALIAN CONDITIONS.**



TEAR RESISTANT,  
FIRE RETARDANT,  
PRE-INSULATED  
ANNEALED  
COPPER PAIRCOIL

 **KEMBLA**

**PairCoilTITAN**

# PairCoil**TITAN**

**Built for Aussie homes under the challenges of Aussie conditions, PairCoilTITAN is UV-rated for 5 years and minimises opportunity for corrosion. Designed with a tough skin that is tear resistant, PairCoilTITAN is built tough so you can rough it up during installation.**

## **Kembla PairCoilTITAN**

The MM Kembla brand is renowned for producing the highest quality Kembla Copper Refrigeration products for HVAC and Refrigeration applications used across Australia, New Zealand, Asia and the Middle East.

### **NBR for Better System Performance**

- Flexible elastomeric NBR foam insulation
- Low thermal conductivity
- High resistance to moisture vapour intrusion
- 9mm wall thickness

### **Built Tough for Australian Conditions**

- Durable co-extruded polymeric jacket
- Tear resistance so you can rough it up during install
- UV resistance for up to 5 Years
- Minimises the risk of copper tube corrosion

### **Commercial Performance for Domestic Homes**

- Fire safety properties of AS 1530.3
- Higher Thermal Resistance R-Values than PE insulated PairCoil

#### **PAIRCOIL TITAN USAGE**

Domestic Split System Air Conditioning

AS/NZS 1571: 2020 Copper – Seamless tubing for air-conditioning and refrigeration

Condensation Prevention

All sizes suitable for R410A & R32 refrigerant



# PairCoilTITAN

**Out with the old and unreliable and in with the new and TOUGH. Built for Aussie Conditions, Aussie homes and Aussies tradies in mind. Kembla PairCoilTITAN is the new highest quality solution for pre-insulated tear resistant fire-retardant PairCoil for use with domestic air conditioners.**

PairCoilTITAN provides you with a tougher and easy to install pre-insulated piping solution for air conditioning installations. Available in 9mm wall thickness meets the fire performance testing requirements of AS/NZ 1530.3 and provides greater energy efficiency.

## Features

- Copper tube manufactured to AS/NZS 1571
- Closed Cell NBR Insulation with tear resistant co-extruded polymeric jacket
- UV rated for 5 years
- High water vapour resistance
- Fire Rating: AS/NZS 1530.3
- Tube Standard: AS/NZS 1571
- Pre-insulated
- Insulation: 9mm
- Length: 20m

## Benefits

- Tough skin that is tear resistant
- Easy to install
- Reduces condensation and energy loss
- Enhanced protection against tube corrosion
- Fire retardant
- Greater energy efficiency
- Built tough for Aussie conditions, Aussie homes and Aussie tradies in mind

## Installation

Recommended maximum operating temperature is 65°C and in accordance with AS 1677. A/C manufacturer's operating and installation instructions should be consulted.

Kembla PairCoil copper tube is recommended to be flare jointed. If brazing is necessary, all safety precautions should apply.

If tight bending is required, the insulation can be cut back to accommodate a tube bender. Alternatively, a length of polyethylene tube can be inserted to prevent kinking.



## Warranty

### 25 YEARS ON COPPER TUBE

MM Kembla's manufacturing processes and quality systems are built upon over 100 years of experience in manufacturing copper tube in Port Kembla, Australia. An intensive ISO 9001 certified quality control system is applied to all MM Kembla PairCoilTITAN to ensure it conforms to the relevant local/international product standard requirements.



# PairCoilTITAN

## PHYSICAL DIMENSIONS

Kembla product code	Copper tube outside diameter x wall thickness (mm)	Copper tube outside diameter (mm)	R-Value	PairCoil length (m)	Total pack weight (kg)	Cartons per pallet
T99519	6.35 x 0.81 - 9.52 x 0.81	9mm	0.44	20	6.5	24
T99529	6.35 x 0.81 - 12.70 x 0.81	9mm	0.41	20	8.0	24
T99539	6.35 x 0.81 - 15.88 x 1.02	9mm	0.39	20	11.0	8
T99559	9.52 x 0.81 - 15.88 x 1.02	9mm	0.39	20	12.5	8
T99569	9.52 x 0.81 - 19.05 x 1.14	9mm	0.37	20	15.4	6

## COPPER TUBE SAFEWORKING PRESSURE (kPa)

Copper Tube Dimensions Metric (mm)	SWP (kPa)		
	@50°C	@65°C	@75°C
6.35 x 0.81	10,635	9,545	8,820
9.52 x 0.81	6,800	6,105	5,640
12.70 x 0.81	4,995	4,480	4,140
15.88 x 1.02	5,030	4,515	4,170
19.05 x 1.14	4,697	4,181	3,895

## PRODUCT COMPLIANCE

### Fire Resistance Properties

This product has been tested to 1530.3 - Methods of fire test on building material components and structures.

### Copper

Manufactured to AS/NZS1571. Recommended maximum operating temperature is 65°C and in accordance with AS1677. A/C manufacturer's operating and installation instructions should be consulted.

## INSULATION PROPERTIES

Material	Highly flexible paired tubular closed cell elastomeric nitrile rubber foam with co-extruded polymeric jacket.
Thermal Conductivity	<0.034 W/m.k at 23°C
Water Absorption	<0.0029 g/100cm <sup>2</sup>
Vapour Barrier	≥10,000μ
Mildew Resistance	No fungal growth
Working Temperature	-200°C - +116°C Range

### CAUTION

Product data, design details, performance figures, advice and other information given herein (the "Information") is provided only as a guide to available information. MM Kembla does not accept any liability whatsoever (including arising from negligence) for the accuracy of the Information and for injuries, expense or loss, which may arise as a result of the use of the Information by the recipient.



For further information please contact your MM Kembla representative, customer service or visit our website.

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