



Armaflex[®]



▶ **Armaflex[®] DuoSolar and Solar**

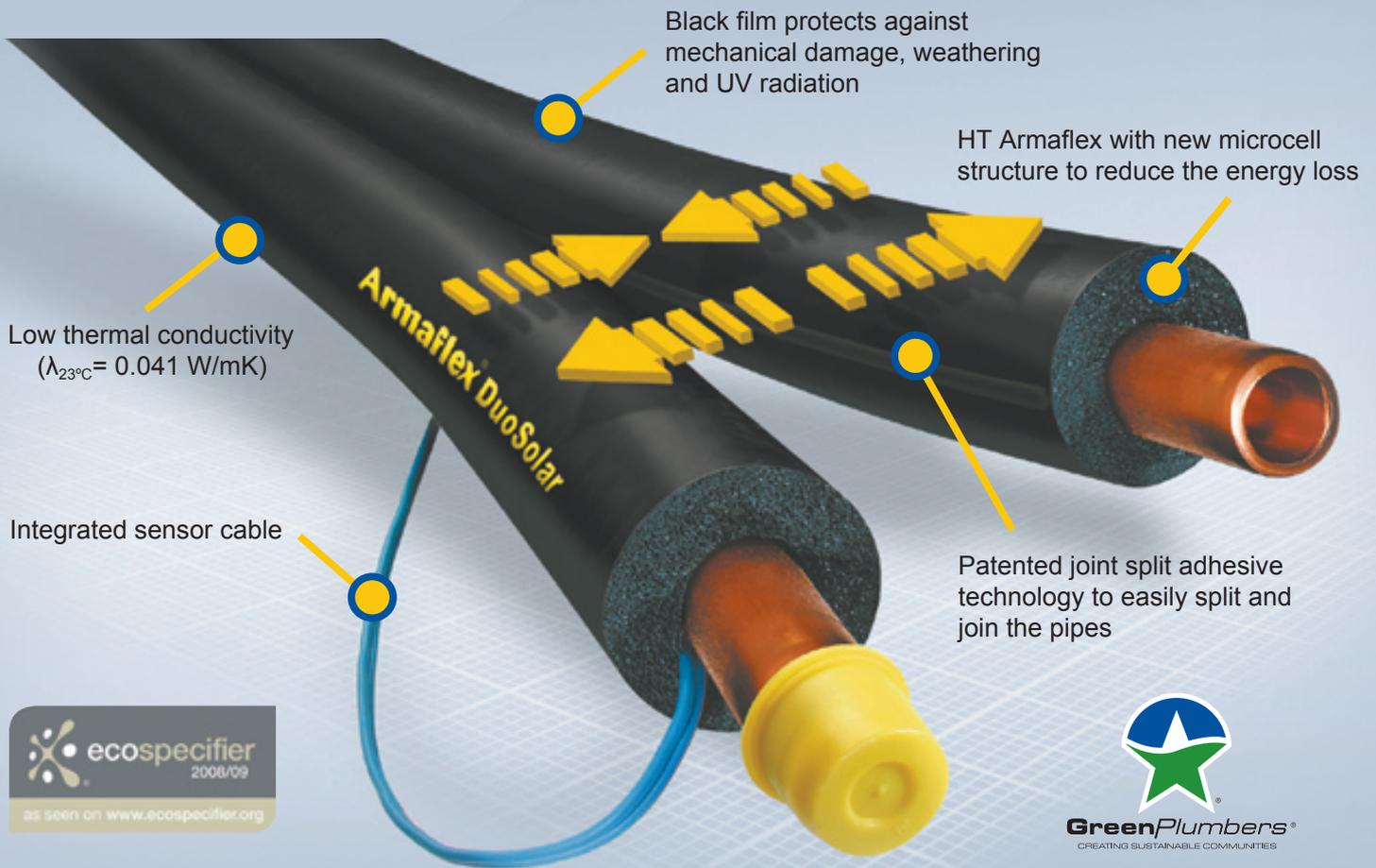


THE UNIQUE SOLUTION FOR SOLAR PROFESSIONALS

ARMAFLEX DUOSOLAR and SOLAR - Purpose-built insulation to meet compliance and performance requirements of solar hot water systems.



Armaflex® DuoSolar



Benefits:

Armaflex DuoSolar is a system solution with pre-installed feed and return pipe for solar hot-water applications. Armaflex DuoSolar is used to connect the solar collectors with the hot-water storage tank in an easy and professional way. It optimises the thermal efficiency of the entire system and increases the life expectancy of the installation. Thanks to the pre-insulation, the patented joint split connection system, and the integrated sensor cable, there are significant time savings during installation. Armaflex DuoSolar is available in continuous coils to reduce waste and increase convenience.

- ▶ High temperature insulation for pipe temperatures up to 150°C (intermittently to 175°C)
- ▶ Weather resistant, due to the protective outer film, as per the requirements of AS/NZS 2712:2007
- ▶ Abrasion resistant, due to the protective outer film, which protects the insulation during fitting and installation
- ▶ 15mm thickness insulation to provide an R-value of 0.6 (AS/NZS 4851.1:2002)
- ▶ Low thermal-conductivity to minimise heat loss
- ▶ Environmentally friendly: PVC-free, zero ODP, made without CFCs and HCFCs, low-VOC
- ▶ Black in colour to minimise aesthetic impact on installation
- ▶ Protected against water-vapour diffusion, due to the micro-cell structure of Armaflex
- ▶ Supplied in practical 10m and 15m paired coils
- ▶ Available in DN15 (1/2") and DN20 (3/4") pipe sizes
- ▶ Constructed from quality Australian-made Kembla copper, AS1432 compliant, license no. WMKA945



Armaflex DuoSolar

Paired insulation pre-fitted to copper tubing

Pipe Size	Coil Length	Part Number	Product Description
DN15 (1/2")	10 m	9H151210	DuoSolar 15x12 10m-coil
DN15 (1/2")	15 m	9H151215	DuoSolar 15x12 15m-coil
DN20 (3/4")	10 m	9H152010	DuoSolar 15x20 10m-coil
DN20 (3/4")	15 m	9H152015	DuoSolar 15x20 15m-coil

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Armaflex Adhesive HT 625 must be used to guarantee proper installation.



Highly flexible

Resists UV radiation, weather & mechanical damage

High temperature insulation

Armaflex Solar insulation is available in single tubes, without copper, for insulating the flow and return lines of solar hot-water systems. Tubing is dusted to provide ease of fitting

This is an ideal solution for systems that use hard-drawn copper. The insulation has excellent abrasion-resistance, with its tough and weather-proof covering providing protection from damage during installation.



Benefits:

- ▶ High temperature insulation specifically designed for use on solar flow and return lines
- ▶ In 15mm (R0.6) and 22mm (R1.0) thickness insulation to provide compliance with Building Codes and Government Standards
- ▶ Protective outer film and unique foam chemistry provides protection against UV damage and weathering
- ▶ In practical coils to minimise the amount of waste material
- ▶ Suitable for both hard drawn and soft drawn copper



Armaflex Solar Insulation

Single coils of solar insulation supplied without copper

Pipe Size	Insulation Thickness	Coil Length	Product Code	Product Description
DN15 (½")	15 mm	25 m	9H151225	Armaflex Solar Tube 15x12 25m-coil
DN20 (¾")	15 mm	20 m	9H152020	Armaflex Solar Tube 15x20 20m-coil
DN25 (1")	15 mm	15 m	9H152520	Armaflex Solar Tube 15x25 15m-coil
DN15 (½")	22 mm	15 m	9H221215	Armaflex Solar Tube 22x12 15m-coil
DN20 (¾")	22 mm	10 m	9H222010	Armaflex Solar Tube 22x20 10m-coil

Armaflex Solar insulation is also available in pre-slit tubing for retro-fitting. This provides a perfect solution for insulating existing pipe-work, particularly on older systems that were installed without insulation or with unsuitable insulation. The split is easily re-joined with Armaflex Solar Tape, which provides a matching surface and high-quality long-term bond.



Retro-fit Solar

Single coils of pre-slit insulation supplied without copper

Pipe Size	Insulation Thickness	Coil Length	Product Code	Product Description
DN15 (½")	15 mm	25 m	9H1512ST	Armaflex Solar Pre-Slit 15x12 25m-coil
DN20 (¾")	15 mm	20 m	9H1520ST	Armaflex Solar Pre-Slit 15x20 20m-coil
DN25 (1")	15 mm	15 m	9H1525ST	Armaflex Solar Pre-Slit 15x25 15m-coil

Each carton contains a roll of solar tape for joining split.

Installation Tip

Pre-slit solar tube should be installed with the seam facing downwards. This prevents water accumulation if the material is exposed to rainfall or other incidental water. Apply Armaflex Solar Tape along the seam, applying even pressure across all areas of the tape to activate the pressure-sensitive adhesive.

Armaflex® Accessories



Armaflex® Accessories



Product Description	Packaging	Product Code
Armaflex Solar Tape	Carton of 12 rolls	9H004830
Armaflex HT625 Adhesive 500ml	Carton of 12 cans	9Z000651
Ceramic Knife 4"	Pack of 2	9Y000004
Ceramic Knife 6"	Pack of 2	9Y000006
DuoSolar Saddle Clamp	Pack of 10 clamps	9HDCLAMP
Solar Saddle Clamp	Pack of 10 clamps	9HSCLAMP

Armaflex® Accessories



Product	Properties
Armaflex Solar Tape	<ul style="list-style-type: none"> • High-tack and high-adhesion black polypropylene tape • Excellent UV-resistance • Will not delaminate with age • Suitable for surfaces with intermittent maximum temperatures up to 150°C, and continuous temperatures up to 125°C • All-weather acrylic adhesive allows application at low temperatures
Armaflex HT625 Adhesive	<ul style="list-style-type: none"> • Designed specifically for joining high-temperature Armaflex • Suitable for seems and butt joints up to 150°C • Supplied in a convenient 500ml can with a brush in the lid
Ceramic Knife	<ul style="list-style-type: none"> • Extremely sharp and long lasting • Excellent for slicing Armaflex to provide a clean and straight cut
Saddle Clamps	<ul style="list-style-type: none"> • Powder-coated galvanized steel for long-lasting performance • Provides secure clipping and fixing of insulated pipes • Smooth, black finish for a professional and colour-matched installation



ARMACELL AUSTRALIA PTY LTD
 13-17 Nathan Road Dandenong, Victoria 3175
 Postal Address: PO Box 5202 Hallam VIC 3803
TEL +61 (3) 8710-5999 **FAX** +61 (3) 8710-5900
EMAIL info@armacell.com **WEB** www.armaflex.com.au