



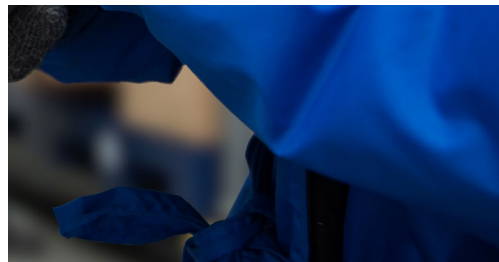
FLEXIBLE EVEN IN COLD
TEMPERATURES

ArmaFlex[®] CT

The ideal tube insulation trusted for
flexibility and reliable condensation control
in cold temperature applications

- // High performance insulation that remains flexible even at -20°C
- // Easy installation, also for maintenance purposes
- // Recommended solution for cold temperature environments,
such as refrigerated warehouses

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 **armacell**[®]
ArmaFlex[®]

TECHNICAL DATA - ARMAFLEX CT

| | |
|-------------------|--|
| Brief description | Highly flexible, closed-cell insulation material based on extruded elastomer foam with flexibility in cold temperature applications. |
| Material type | Synthetic EPDM rubber-based foam. Factory-made flexible elastomeric foam (FEF). |
| Colour | Black. |
| Special features | Flexibility and reliable condensation control in cold temperature applications and resistant to UV radiation. |
| Applications | Thermal insulation of pipes in cold temperature environments such as refrigerated warehouses. |
| Installation | Refer to the ArmaFlex installation manual and relevant Technical Bulletins before application. |

| Property | Value/Assessment | | | Standard/Test method |
|--|-------------------------------------|--|--------------|-------------------------------------|
| Temperature range | | | | |
| Service temperature | Range | Minimum [°C] | Maximum [°C] | |
| | Full range | -50 | +150 | |
| | Remarks | Contact Armacell for application beyond recommended service temperature range. | | |
| Thermal conductivity | | | | |
| Declared thermal conductivity | θ_m | 0 °C | +40 °C | EN 12667, EN ISO 8497, JIS A 1412-3 |
| | $\lambda_d \leq [W/(m \cdot K)]$ | 0.038 | 0.042 | |
| Resistance to water vapour | | | | |
| Water vapour diffusion resistance factor | $\mu \geq 4,000$ | | | EN 12086 |
| Fire performance | | | | |
| Surface spread of flame | Class 1 | | | BS 476 Part 7 |
| Limiting oxygen index (LOI) | >32% | | | ISO 4589-2, JIS K 7201-2 |
| Practical fire behaviour | Does not generate flaming droplets. | | | |

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 our Technical department in due time whether or not the data and information apply to the intended application area..

Tube - standard (2.0m length)

| Insulation inner diameter [mm] | Cu pipe outer diameter [inch] | Fe pipe outer diameter [mm] | Nominal diameter [DN] | 20mm | | | 25mm | | | 32mm | | |
|--------------------------------|-------------------------------|-----------------------------|-----------------------|------------|--------------------|----------------------|------------|--------------------|----------------------|------------|--------------------|----------------------|
| | | | | Item | Carton content [m] | Carton content [pcs] | Item | Carton content [m] | Carton content [pcs] | Item | Carton content [m] | Carton content [pcs] |
| 15 | 5/8 | 14 | 8 | ACT-20X015 | 56 | 28 | ACT-25X015 | 40 | 20 | ACT-32X015 | 28 | 14 |
| 18 | | | | ACT-20X018 | 48 | 24 | ACT-25X018 | 36 | 18 | ACT-32X018 | 24 | 12 |
| 22 | 7/8 | 22 | 15 | ACT-20X022 | 40 | 20 | ACT-25X022 | 36 | 18 | ACT-32X022 | 24 | 12 |
| 25 | 1 | 25 | | ACT-20X025 | 40 | 20 | ACT-25X025 | 32 | 16 | ACT-32X025 | 24 | 12 |
| 28 | 1-1/8 | 28 | 20 | ACT-20X028 | 36 | 18 | ACT-25X028 | 32 | 16 | ACT-32X028 | 18 | 9 |
| 32 | 1-1/4 | 32 | | ACT-20X032 | 34 | 17 | ACT-25X032 | 24 | 12 | ACT-32X032 | 18 | 9 |
| 35 | 1-3/8 | | 25 | ACT-20X035 | 32 | 16 | ACT-25X035 | 24 | 12 | ACT-32X035 | 18 | 9 |
| 42 | 1-5/8 | | 32 | ACT-20X042 | 28 | 14 | ACT-25X042 | 24 | 12 | ACT-32X042 | 20 | 10 |
| 48 | 1-7/8 | | 40 | ACT-20X048 | 24 | 12 | ACT-25X048 | 18 | 9 | ACT-32X048 | 14 | 7 |
| 50 | | | | ACT-20X050 | 24 | 12 | ACT-25X050 | 18 | 9 | ACT-32X050 | 14 | 7 |

All items are made to order. Minimum order quantities and different lead times may apply.

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,135 employees and 24 production plants in 16 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

For more information, please visit:
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