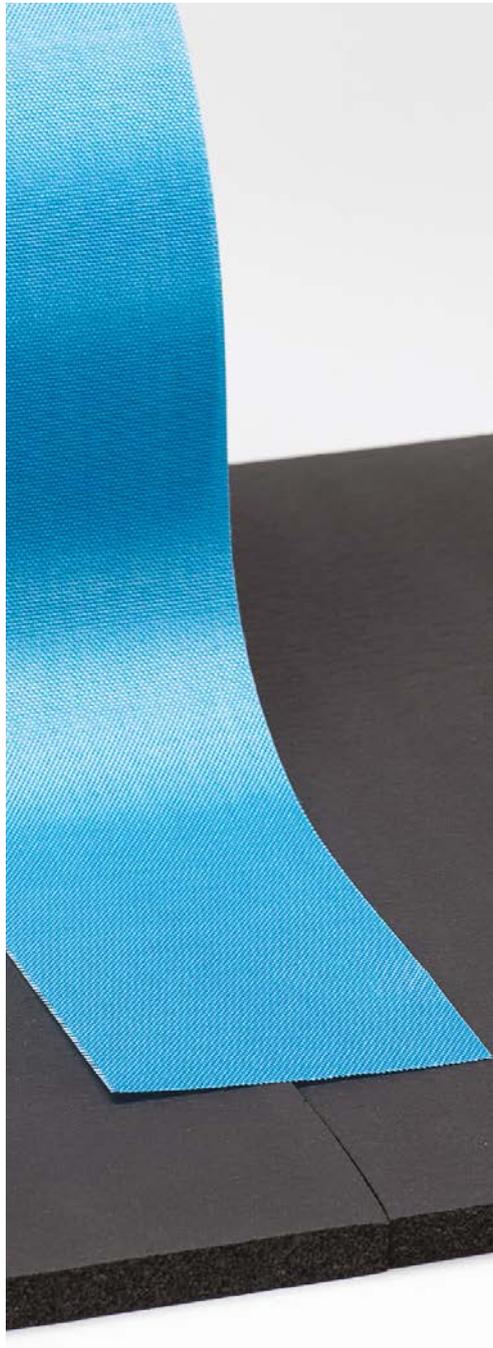


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ArmaChek[®] Know-How

Installation key Points - Wait time reduction

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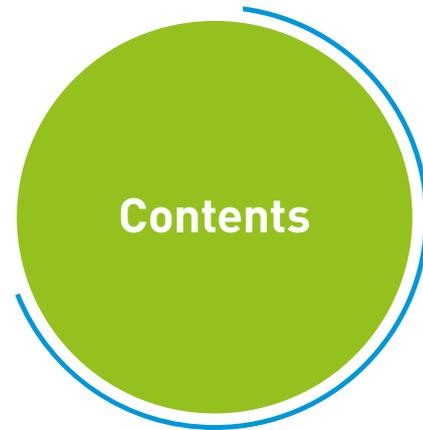
Application Services

Our job does not end with the manufacturing and supply of the right products. We are there throughout the project execution, to ensure contractors receive the right training, follow best practice and to help with any unexpected design or application challenges that may emerge.

That's why we continuously work in partnership with operators, EPC's and insulation contractors around the world on developing complete solutions, offering value added services to meet and exceed our clients' expectations, in order to ensure successful project delivery.

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Background Information

- D-Tape method allows for the waiting time between applications of only ArmaFlex layers / ArmaSound RD 240 & Armacell Acoustic Barrier to be reduced from 12 hours (as given in our standard application instruction) to just 1 hour.
- D-Tape method provides 2 specific functions. First and foremost, it maintains the integrity of the underlying ArmaFlex joint by reinforcing the closed seam and helping to prevent it from opening. Secondly, the high permeability of the tape allows for uninhibited release of residual adhesive solvents which may otherwise become trapped within the insulation system and reduce the strength of the adhesive bond.
- Is applied to all glued seams and joints included all ArmaFlex insulated pipe fitting parts.
- 36 hour wait time rule still applies for outer jacket or other type of vapour barrier sheeting.



Note: The product to be used shall not be the self adhesive product type.

Tools

- Tape measure
- Large Scissors
- Brushes / with short firm bristles (ArmaFlex glue applicator)
- Tape card

Preparation and conditions

- Insulation surface must be clean, dry and free from contamination or damage.
- Recommended application temperature and conditions must be observed.



air temp.
5°C to 35°C
(41°F to 95°F)



surface temp.
5°C to 35°C
(41°F to 95°F)



humidity
< 80% RH.
3°C (5°F)
> dewpoint



shade



shelter
from rain

- Arma-Chek D Tape (bandage) to be clean and dry.



Note: The product to be used shall not be the self adhesive type.

Adhesive types

Adhesive selection

- Use the correct adhesive: ArmaFlex HT625 adhesive may be used with all ArmaFlex / ArmaSound types, but ArmaFlex 520 adhesive may only be used with LT / ArmaFlex Industrial.

ArmaFlex HT625 Adhesive



- ✓ ArmaChek R
- ✓ LT/ArmaFlex Industrial
- ✓ HT/ArmaFlex Industrial
- ✓ HT/ArmaFlex Industrial IMO
- ✓ ArmaSound RD240
- ✓ ArmaSound Barrier

ArmaFlex 520 Adhesive



- ✓ ArmaChek R
- ✓ LT/ArmaFlex Industrial
- ✗ HT/ArmaFlex Industrial
- ✗ HT/ArmaFlex Industrial IMO
- ✓ ArmaSound RD240
- ✓ ArmaSound Barrier

Key points of application:

Step 1

- **As normal fixing method** - close Armaflex glued seam.
- **Ensure there are no visible gluing defects! (rectify is needed).**



Step 2

- Apply a thick even film of Armaflex adhesive either side of the glued seam. **(This can be done if required straight away following Step 1.)**
- Keep the adhesive **at least 6mm away** from the glued seam.
- **Do not apply adhesive directly over the top of the glued seam.**



Glued seem

Key points of application:

Step 3

- **While the glue is still wet** - Apply the arma-chek d tape (bandage) over the top of the glued area around the seam.
- **No need to wait for adhesive to touch dry.**
(this is the standard Arma-chek D bandage fixing method).



Step 4

- To secure the bandage down - Apply firm even pressure to the bandage using a tape card or by hand.



Overview of key points of application process

- All glued seams and joints in all directions to be over covered with the D-Tape (bandage).
- Keep the adhesive away from the glued seams by at least 6mm in all directions.



In all circumstances, a minimum of 2" (50mm) overlap must be provided during the installation of D-Tape.

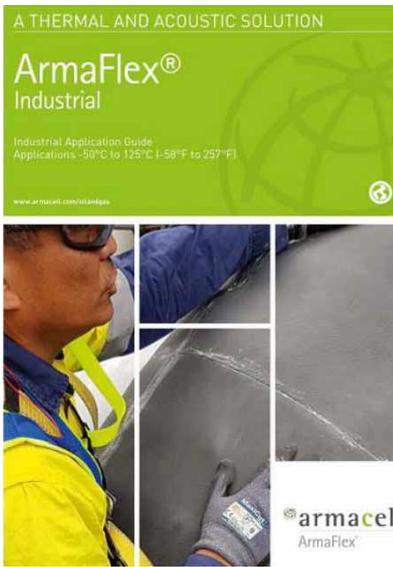


Step 5 (completed process)

- Adhesive can be applied over the Surface of the Arma-Chek D bandage seam after only 1 hour to reduce the standard Application "wait time" **from 12 hours to 1 hour.**



Learning guide



All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant regulations and project specification lies with the customer. Armacell takes every precaution to ensure the accuracy of the data provided in this document and all statements, technical information and recommendations contained within are believed to be correct at the time of publication. By ordering/receiving product you accept the Armacell General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these.

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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.

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