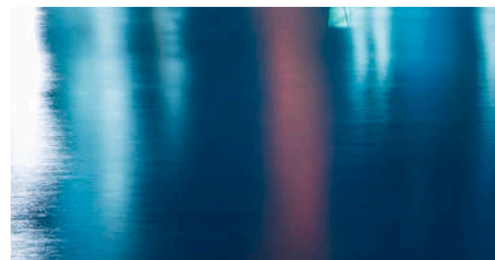INSTALL IT. TRUST IT.

# ArmaFlex
## Ultima ACR

Best of the both worlds: ArmaFlex
Ultima ACR combines the safety
provided by unique ArmaFlex Ultima
with the resilience and strength of
ArmaClad Arma-Chek R.

// Base foam, ArmaFlex Ultima: Closed cell flexible
   elastomeric foam with unique fire reaction properties
   and minimal smoke emission in case of fire
// Factory applied, flexible and resilient covering
// Specially developed for use in offshore and industrial
   environments
// Mitigates the risk of corrosion under insulation

www.armacell.eu

armacell®
ArmaFlex®

# TECHNICAL DATA – ARMAFLEX ULTIMA ACR

| | |
|---|---|
| Brief description | Flexible elastomeric foam based on patented synthetic rubber composition, factory pre-covered with a flexible EPDM rubber covering. Especially developed for use in offshore and industrial environments. |
| Material type | ArmaFlex Ultima flexible elastomeric foam based on patented ArmaPrene technology. Flexible EPDM rubber formulated with Chlorosulphonated Monomer (CSM), also known as CSPE. |
| Product colour range | Blue foam with grey covering |
| Special features | Precovered system of insulation and mechanical protection for faster product installation. |
| Applications | Thermal insulation system for pipework, fittings, vessels and equipment in the offshore, heavy industry, chemical and petrochemical environments. |
| Remarks | For more technical details, please refer to the technical data sheet of these following products on our website: ArmaFlex Ultima and Arma-Chek R. |

| Property | Value / Assessment | | | | | Standard / Test method |
|---|---|---|---|---|---|---|
| **Temperature range** | | | | | | |
| Service temperature[1] | Range | Min. °C | Min. °F | Max. °C | Max. °F | |
| | ArmaFlex Ultima | -50 | -58 | 110 | 230 | |
| | ArmaClad Arma-Chek R | -50 | -58 | 100 | 212 | |
| | Remarks | Based on thermal aging behaviour | | | | |
| **Thermal conductivity** | | | | | | |
| Declared thermal conductivity | $\theta m$ | | 0 °C | | | EN ISO 13787 |
| | $\lambda d \leqslant [W/(m \cdot K)]$ | | 0.040 | | | |
| **Fire Performance and Approvals** | | | | | | |
| Reaction to fire | ArmaFlex Ultima tubes: B(L)-s1,d0<br>ArmaFlex Ultima sheets: B-s2,d0<br>Arma-Chek R: B-s3,d0 | | | | | EN 13501-1 |
| Smoke generation and toxicity test | ArmaFlex Ultima: Pass<br>Arma-Chek R: Pass | | | | | IMO 2010 FTP Code, Part 2 |
| **Mechanical properties** | | | | | | |
| Tensile strength | Arma-Chek R: ⩾ 4.5 MPa | | | | | ISO 37 |
| Elongation | Arma-Chek R: ⩾ 200% | | | | | ISO 37 |
| **Weather and UV resistance** | | | | | | |
| UV resistance | Arma-Chek R has excellent UV resistance. | | | | | EN ISO 4892-2 |
| Weather resistance | Arma-Chek R has excellent weather resistance as assessed by Allunga Exposure Lab. | | | | | |
| **Other technical features** | | | | | | |
| Application conditions[3],[4] | Application temperature: 5 °C to 35 °C<br>Maximum relative humidity: 80% | | | | | |
| Shelf life | Self-adhesive material: 1 year | | | | | |
| Storage | Material shall be stored indoors, in clean and dry conditions, away from direct sunlight and in no direct contact with ground. Cartons must be stored horizontally as indicated on the box. | | | | | |

[1] For temperatures beyond the identified temperature range, please contact Armacell's Technical Department for more information.

[2] Minimum value in Machine Direction (MD) and in Cross Direction (CD). Method B, procedure (b), angle test piece with a nick.

[3] For environmental conditions outside the given range, please contact Technical Services.

[4] Application temperature (temperature of installation) refers to the ambient temperature during application and the surface temperature of the substrate to which the product is installed.

**Tube – precovered and self-seal. Blue foam with grey covering**

| Pipe Ø [mm] | Inner diameter (minimum) [mm] | Inner diameter (maximum) [mm] | Item | Length [m] | EAN | Primary content [metric] |
|---|---|---|---|---|---|---|
| 15 | 16 | 19 | UACR-19X015 | 1.36 | 7612207497434 | 24.48 m |
| 18 | 19 | 22 | UACR-19X018 | 1.36 | 7612207498127 | 24.48 m |
| 22 | 23 | 26 | UACR-19X022 | 1.36 | 7612207498134 | 21.76 m |
| 28 | 29 | 32 | UACR-19X028 | 1.36 | 7612207498141 | 19.04 m |
| 35 | 36 | 39 | UACR-19X035 | 1.36 | 7612207498158 | 19.04 m |
| 42 | 43 | 46 | UACR-19X042 | 1.36 | 7612207498165 | 16.32 m |
| 48 | 49 | 52 | UACR-19X048 | 1.36 | 7612207498172 | 16.32 m |
| 54 | 55 | 58 | UACR-19X054 | 1.36 | 7612207498189 | 13.6 m |
| 60 | 61 | 64 | UACR-19X060 | 1.36 | 7612207498196 | 10.88 m |
| 64 | 65 | 68 | UACR-19X064 | 1.36 | 7612207498202 | 10.88 m |
| 76 | 77 | 80 | UACR-19X076 | 1.36 | 7612207498219 | 10.88 m |
| 89 | 90 | 93 | UACR-19X089 | 1.36 | 7612207498226 | 8.16 m |

**Other information**

| | |
|---|---|
| Thickness tolerance | 19 mm ± 2.5 mm |
| Length tolerance | ± 1.5 % |

**Accessories**

| Item | Primary content [metric] |
|---|---|
| RCS-R05/1-07-GY | 3.5 m² |
| RCS-R05/1-14-GY | 7 m² |
| RCS-R05/2-07-GY | 3.5 m² |
| RCS-R10/1-07-GY | 7 m² |
| RCS-R10/1-14-GY | 14 m |
| RCS-R10/2-07-GY | 7 m² |
| RCS-R20/1-07-GY | 14 m² |
| §§ ACH-R20/1-07-GY | 14 m² |
| UD-19-99/E | 5 m² |
| UD-25-99/E | 4 m² |
| UD-32-99/E | 3 m² |
| UD-19-99/EA | 5 m² |
| UD-25-99/EA | 4 m² |
| UD-32-99/EA | 3 m² |

**Adhesives and Cleaners**

| Item | Description | Primary content [pieces] |
|---|---|---|
| ACH-MASTICS | Sealing combound for installing Arma-Chek R, cartridge 290 ml | 12 piece |
| AHU-700/1,0 | ArmaFlex Ultima 700 adhesive. Available in 1.0 litre cans. | 12 piece |
| ADH-HT625/0,25 | ArmaFlex HT625 one-component adhesive. Available as 0.25 litre cans (with brush). | 40 piece |
| ADH-HT625/0,5 | ArmaFlex HT625 one-component adhesive. Available as 0.5 litre cans. | 12 piece |

## Adhesives and Cleaners

| Item | Description | Primary content [pieces] |
|---|---|---|
| ADH-HT625/1,0 | ArmaFlex HT625 one-component adhesive. Available as 1.0 litre cans. | 12 piece |
| ADH520/0,25E | 0.25 litre tins of ArmaFlex 520 adhesive with built-in brush, packed in a carton. | 24 tin |
| ADH520/0,25N | 0.25 litre tins of ArmaFlex 520 adhesive packed in a carton. | 24 tin |
| ADH520/0,5E | 0.5 litre tins of ArmaFlex 520 adhesive packed in a carton. | 12 tin |
| ADH520/0,5N | 0.5 litre tins of ArmaFlex 520 adhesive packed in a carton. | 12 tin |
| ADH520/1,0E | 1.0 litre tins of ArmaFlex 520 adhesive packed in a carton. | 12 tin |
| ADH520/1,0N | 1.0 litre tins of ArmaFlex 520 adhesive packed in a carton. | 12 tin |
| ADH520/2,5 | 2.5 litre tins of ArmaFlex 520 adhesive packed in a carton. | 8 tin |
| ADH520/2,5E | | |
| ADH520/2,5E | 2.5 litre tins of ArmaFlex 520 adhesive packed in a carton. | 8 tin |
| CLEANER/1,0 | Special cleaner for use with ArmaFlex adhesives | 4 piece |

# OUR CUSTOMERS EXPECT THE BEST. WE WORK HARD TO GO BEYOND THAT AND EXCEED THEIR EXPECTATIONS.

At Armacell we want to create a unique customer experience. We understand the challenges of today's construction industry and support you in the successful delivery of your projects. From planning to delivery, our 360° service supports you throughout the entire process.







### SERVICE AND TECHNICAL INFORMATION AVAILABLE 24/7

At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building policy)

### DEDICATED LOCAL CONTACTS

We aim to create open lines of communication with our customers. From on-site trainings and webinars by our Armacell technical experts advising on project planning and safety instructions to our local dedicated sales and customer services, your local Armacell dedicated team is working in partnership with you to achieve more together.

### DIGITAL INFORMATION FLOWS

From order to delivery, we also provide you with digital information flows such as EDI and other well-known data formats that are widely used in the construction sector worldwide.

# LOGISTICS

**OUR STANDARD LOGISTICS SERVICES INCLUDE**

// Material ordered will be shipped from our facilities within 48 hours after order confirmation

// Full truck loads and full pallets (not mixed – 1 SKU per pallet)

// List prices in this document are based on Ex Works

// Container loading with standard goods

// Customs clearance (including documentation) for standard deliveries outside EU

// Dangerous goods process for road freight

**WE GO BEYOND STANDARD SERVICES AND ALSO PROPOSE YOU ADDITIONAL SERVICES\***

**OPIMISED PACKAGING**

- Edge protection
- Strapping
- Doubled stretching
- Reinforced cardboard with extra layer
- Additional warning tape

**LABELLING**

- Extra label for transport instructions

**EXTRA DELIVERY SERVICES**

- Just in time delivery
- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight

To mitigate cost increases and reduce waste generation, we also propose a pallet return service\* by which pallets can be handed at Armacell collection points.

\* Please contact your local Customer Service Centre to see which of these services apply to your country.

# 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 more than 3200 employees and 27 production plants in 19 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.

armacell®

ArmaFlex®

For more information, please visit:
www.armacell.com