



PAROC PRO CLAD

New pipe insulation system with non-metallic cladding



PAROC PRO CLAD – PIPE INSULATION SYSTEM

PAROC Pro Clad system combines pipe insulation and non-metallic cladding. It is a new water resistant solution against outdoor weather conditions and moderate mechanical stress. PAROC Pro Clad is an ideal solution for pipelines located in outdoor industrial environments.

NEW CHALLENGES – NEW SOLUTIONS

PAROC Pro Clad is a result of many years of experience, comprehensive research and extensive consulting with investors and contractors. We asked the professionals to indicate the features which should characterize the optimal solution for protecting external industrial installation. Among many answers, the professionals indicated in the first place:

- providing water resistant insulation solution
- fast and simple installation,
- comprehensive solution allowing insulation and cladding of pipelines in one application.

Based on extensive consultation on work sites, we have developed a solution meeting all mentioned aspects. The stone wool products included in the PAROC Pro Clad system have been covered with a strong multi-layer laminate which limits mechanical damage. An additional 100% UV-resistant protective layer protects against unfavorable atmospheric conditions and thus guarantees non-problematic maintenance for years. Fast and effective installation of pipe insulation is also facilitated by self-adhesive tape which completes the sealing against moisture and humidity.

PRODUCTS

PAROC Pro Clad pipe insulation system includes complementary products dedicated to the industrial sector:

PAROC Pro Section 140 Clad T – a pipe section made of stone wool with prefabricated covering for pipeline insulations which is characterized by high fire resistant class A2₁-s1, d0

PAROC Pro Segment 140 Clad T – ready parts for insulation of medium and larger elbows without thermal bridges, characterized by high fire resistant class A2₁-s1, d0

PAROC Tape Clad – self-adhesive strip which provides total system integrity.

See detailed product information at paroc.com.



PAROC PRO CLAD – INSTALLATION GUIDANCE

INSTALLATION CONDITIONS

PAROC Pro Clad System is designed to be used and installed in outdoor applications and installation can be done in normal conditions. Make sure that all surfaces are clean and dry. In order to ensure a finished result it's recommended to use PAROC Clad Tape in ambient temperature higher than 0°C.

- 1** Place the sections and segments on the pipe one-by-one and use the self-adhesive overlap tape for the first fix.
- 2** Carefully seal all longitudinal and crosswise seams with PAROC Clad Tape.
- 3** For mechanical fixing all straight section parts and segment parts need to be fixed with steel wire or suitable plastic bands
- 4** Mechanical fixing can be replaced with Clad Tape when using TapeLock technique.
- 5** Make sure all seams in T-joints and similar parts are carefully sealed with Clad Tape. (Alternative option is standard metal cladding box.)
- 6** Insulation ends are recommended to be closed with standard metal cladding end parts and fixed and sealed with Clad Tape.
- 7** Valves, flanges and blind ends is recommended to be done with standard cladding boxes. Its recommended to use rubber sealant in the edges of box openings against the pipe insulation to avoid metal sheet damaging the Clad facing.



PAROC PRO CLAD ADVANTAGES

- **WATER RESISTANCE** – fully water and vapour proof coating and tape provide high level of resistance to outdoor conditions.
- **PHYSICAL RESISTANCE** – the applied coating forms a layer which is highly resistant to mechanical damage, the layer protects the insulation thorough the whole insulation lifecycle. The insulation elements do not settle with time, thus the thickness and high parameters of the insulation remain unchanged over years.
- **RESISTANCE TO UV** – UV resistant layer protects the system against degradation of the cladding.
- **FAST INSTALLATION** – combined application of an insulation product with a protective covering allows to save time, space and materials needed to make external insulation. Faster assembly means more time for further works and consequently a prolonged season for construction works.





Paroc is one of Europe's leading manufacturers of energy-efficient and fire-proof insulation solutions. Throughout our 80-year history, we have earned a reputation for high product performance, technical expertise and sustainability among builders of single-family homes, architects, contractors, dealers and industrial builders. The cornerstones of our operations are customer and personnel orientation, constant innovation, profitable growth and sustainable development. Paroc products include building insulation, technical insulation, marine and offshore insulation, and acoustic products. The products are manufactured in Finland, Sweden, Lithuania, Poland and Russia. Paroc has sales and representative offices in 14 European countries.



Building Insulation offers a wide range of products and solutions for all traditional building insulation. The building insulation products are mainly used for the thermal, fire and sound insulation of exterior walls, roofs, floors and basements, intermediate floors and partitions.



Sound absorbing ceilings and wall panels for interior acoustic control, as well as industrial noise control products, are available in the range.



Technical Insulation products are used for thermal, fire and sound insulation in HVAC systems, industrial processes and pipe work, industrial equipment as well as shipbuilding and offshore industry.



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