

Pro-R Specialty: Stainless Lined Niche Applications

Pro-R is a pre-insulated, lightweight, and high performance duct solution for outdoor and indoor applications available in four product offerings: Pro-R Specialty as well as Rectangle, Round, and Indoor. Pro-R Specialty utilizes an additional inner metal liner, such as stainless steel, for specialty applications, rather than Pro-R Rectangle's aluminum lining. Pro-R provides superior thermal performance and durability to improve overall indoor air quality and energy savings while reducing install times and eliminating costly repairs.

Pro-R Specialty provides a solution for specialty or niche applications that need an additional stainless steel liner instead of Pro-R Rectangle's aluminum lining.

✓ Durable

- Extremely durable, UV-stable 0.040" (18 gauge) Kynar Finish embossed aluminum metal cladding. Additional cladding options of stainless steel is also available
- Tough construction built to withstand the elements and harsh environments
- Interior metal liner options of stainless steel
- Designed static pressure up to +10" to -10" w.g.

✓ Pre-Insulated

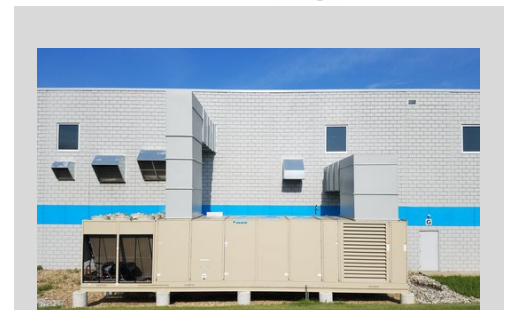
- Lightweight, closed-cell phenolic insulation wrapped in a tough metal exterior
- Available in R-values from R-6 to R-25
- Eliminates need for insulator
- Fiber-free insulation exposure improves IAQ

✓ Efficient

- Low thermal leakage and high R-values improves energy savings, reduces overall carbon footprint
- Easy installation ensures labor savings and faster install

✓ Installation Benefits

- Durable, familiar design streamlines labor
- No taping, caulking, or gluing required
- Utilizes industry-standard TDC connections
Schedule year-round install even in extreme climates



Pro-R Specialty is a pre-insulated duct solution suitable for outdoor and indoor applications.



Pro-R Specialty: Specification and Technical Data



Thermal Performance

- Closed-cell phenolic insulation available in R-6 to R-25
- Near-zero air leakage saves energy, enables more efficient HVAC operation
- Interior metal liner available in stainless steel (304 or 316)
- Built to SMACNA Standards
- Meets UL181 / UL723
- Meets NFPA 90A / 90B
- Better than 25 / 50 flame and smoke spread (ASTM E84)

Superior Exterior

- Long-life, durable, weatherproof cladding
 - Pre-finished embossed aluminum (standard)
 - Stainless steel
- Strong exterior withstands rugged outdoor and indoor environments
- Long product life
- Over 20 color options available

Applications

- Inner metal liner of stainless steel is ideal for applications where certain hazardous chemicals or materials are present, such as waste water treatment plants or manufacturing facilities
- Outdoors and rooftops
- Mechanical rooms
- High-traffic spaces
- Exposed areas
- 10-year limited warranty

How We've Evolved Ductwork

In the past heavy galvanized duct was physically demanding on installers, putting them at risk of injury. Air and moisture leakage resulted in poor insulation, mold and inefficient HVAC operations. Eventually substitute materials emerged, such as venture clad tape and vinyl cladding.



These options, however do not withstand the rigor of exterior and interior environments.

They also put more pressure on the building's HVAC system and increase energy costs when they fail.



With over 55 years of experience of ductwork fabrication, Pro-R has disrupted the industry. We saw the disadvantages of various duct materials and set out to create a durable, long-lasting product that will ensure the integrity of efficient ductwork for years to come.

Our pre-insulated solutions are built to last while weighing in at 50 to 60% lighter on average than standard ductwork.

Contact our team today to review your project needs, request a quote or learn more about our Pro-R Rectangle, Round, Specialty, and Indoor products.

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