

INABA DENKO SLIMDUCT™ RD

Protecting Linesets while Enhancing Building Design

Indoor air quality and temperature control is currently a hot topic. Proper air filtration and zone control can be achieved through certain types of HVAC systems. When an apartment building owner decided to retrofit its existing air conditioner, that's exactly what he was looking for.

Dual Temp, a full-service mechanical contractor serving the Lehigh Valley and beyond, was commissioned with the task of finding the proper HVAC system for this

Project Info

- Location: Allentown, PA
- Building type: Apartment Building
- Project type: Existing building, retrofit
- Number of floors: 3
- Mini-split manufacturers: Daikin
- Mechanical contractor: Dual Temp
- Master distributor in North America for Slimduct RD/PD: MarketAir



project. Considering the owners requirement, the installers determined that the best solution would be to install two 30-ton Daikin Split System.

The two Daikin systems would be installed on the ground level, and the air handler units would be placed inside the penthouse of a 3 story building. "We needed something that would look aesthetically pleasing, so we could run new refrigerant lines up the outside of the building and avoid opening walls inside", said Dakota Brown, Dual Temp's service director. After researching lineset covers available in the market, Dakota reached out to Gerry Spanger from MarketAir.

With over 35 years of experience in the HVAC industry, Gerry knew right away that Slimduct RD was the ideal solution to encase the refrigerant lines while providing an aesthetic and professional finish to the installation. Since the Slimduct RD can be easily accessed, lineset maintenance can be performed quickly and effectively.

Slimduct RD features a proprietary anti-corrosive, scratch-resistant, hot-dipped and chromium-free coating made of zinc, aluminum and magnesium, which provides a more durable alternative to galvanized steel. This tough and rugged product also features a highly professional finish that blends in perfectly with any type of building.

Dual Temp had a very smooth experience installing the Slimduct RD. The property owner was very happy with the overall installation look and is enjoying a pleasing temperature inside the building.



RD Installation in progress

Slimduct RD is a cost-effective way to enclose and protect exposed lineset layouts, and the multiple linesets needed for VRV/VRF and rooftop applications. Easy to install and field configurable to any orientation, Slimduct RD is the the labor-saving alternative to custom-fabricated lineset ducting options.

Engineered by Inaba Denko Japan, Slimduct RD is currently protecting hundreds of VRV/VRF and split systems lineset installations around the world as shown below.



Slimduct RD Benefits

- Protects the linesets from mechanical and weather damage
- Preserves the energy efficiency of the air conditioning system
- Multiple fittings available for easy on-site customization
- Scratch and abrasion resistant
- Optional anti-slip Walkway surface allows workers to walk on the cover for easy access and maintenance
- Compact design uses less space than conventional racking systems
- Professional and stylish finish
- Enhances the appearance of the entire installation

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