



TECHNICAL SPECIFICATION

PIRALU PIR Pre-Insulated Duct (PIR)

The pre-insulated duct shall be factory insulated panels with 20mm thick rigid flat boards manufactured from polyisocyanurate insulation laminated on both sides to at least 60 micron embossed protected aluminium foil. The pre-insulating polyisocyanurate insulation panels shall be HCFC-free & CFC-free during manufacturing process.

The PIR Pre-Insulated Duct (PIR) shall meet the following requirements:

Nominal Density	35±5% kg/m ³
Thickness of Foil	60 microns
Thermal Conductivity	Not more than 0.024 W/mK
Operating Temperature Limits	Lower limit -40°C Upper limit +80°C
Compressive Strength	1.5 kg/cm ²
Water Vapour Permeability	≤ 0.073 mg / (m ² *h*Pa)
Smoke Toxicity	Min F1 EN Standard
Surface Spread of Flame	Class 0
ID => Declared lambda value test at	10degree Celsius