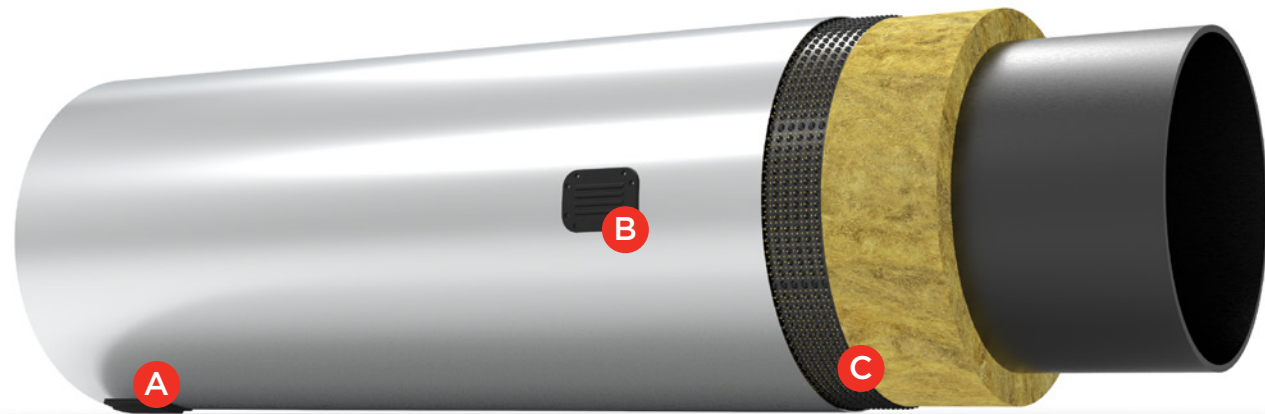


Insulation Ventilation System **IVS**

Patented

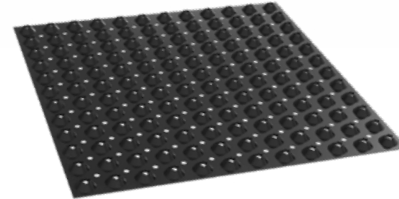
The Integrity Products Insulation Ventilation System (IVS) is a 3-part system consisting of Integrity Perforated Dimple Wrap™, Integrity Vents™ and Integrity Drains™. These work together to promote airflow along the insulation system which limits moisture and condensation build-up in the insulation and can assist in drying out wet insulation.


A
INTEGRITY DRAINS™

Integrity Products Integrity Drains™ are designed to create a drainage point for moisture ingress while also promoting airflow along the insulation system. These are gravity-assisted and as such are installed at the 6 O'clock position in the metal cladding. They make use of the air gap created by the Integrity Perforated Dimple Wrap™


B
INTEGRITY VENTS™

Integrity Products Integrity Vents™ provide ventilation to the insulation system. The louvered design protects the insulation from water ingress while promoting airflow along the insulation system. These are installed every 3m at the 3 and 9 O'clock positions. They make use of the air gap created by the Integrity Perforated Dimple Wrap™.


C
INTEGRITY PERFORATED DIMPLE WRAP™

Integrity Products Integrity Perforated Dimple Wrap™ creates a consistent 6mm air gap between the insulation and the metal cladding. Each sheet is perforated with 8 holes per sq inch which allows any moisture trapped in the insulation to pass through to the outer cladding and drain away.

INTEGRITY DRAINS™ // INTEGRITY VENTS™
MATERIAL SPECIFICATIONS
MATERIAL(S)

 60 Durometer
EPDM Rubber Cover/Cap

COLOR

Black

CHEMICAL DEFINITION

 Ethylene Propylene
Diene Monomer

UV RESISTANCE

Excellent

OZONE RESISTANCE

Excellent

WEATHER RESISTANCE

Excellent

TENSILE STRENGTH

1600 PSI

ELONGATION

470%

TEMPERATURE RANGE

 -58°F to 300°F (-50°C to 149°C)
Constant Temperature

OTHER SPECIFICATIONS

ASTM D2000 Classification

INTEGRITY PERFORATED DIMPLE WRAP™
MATERIAL SPECIFICATIONS
MATERIAL(S)

Polyvinyl Chloride (PVC)

COLOR

Black

DENSITY

 1.4 g/cm³
TENSILE STRENGTH

35 - 56 MPa

COMPRESSIVE STRENGTH

39 PSI

ELONGATION

2 - 40%

SHRINKAGE

1.25%

UV RESISTANCE

Excellent

WORKING TEMP.

-40°F to 194°F (-40°C to 90°C)

ASTM STANDARDS E84

 Class A || Flame spread
Class A || Smoke development

This IVS system works together as a ventilation and drainage system for all conventional piping insulation systems. This approach will assist in mitigating Corrosion Under Insulation and prolong the service life of your insulated assets.