

# IBR Aluminio

## Description

IBR-ALUMINIO is a blanket-type insulation composed of glass fibers bonded together with a thermosetting resin. This blanket is faced with an Aluminum foil and Kraft paper air barrier/vapour retarder.

## Application

IBR-ALUMINIO blanket is used to insulate rectangular and round heating, ventilating and air conditioning ductwork that supplies conditioned air at temperatures from 0 °C to 120 °C. IBR-ALUMINIO Duct Wrap is used in commercial, industrial and residential buildings. IBR-ALUMINIO Duct Wrap helps control heat loss or gain and condensation during system operation.

## Dimensions

Thickness (mm)	Length (m)	Width (m)
55	17,5	1,20

## Density

LVM-1, according to UNE 92102/98.

## Thermal conductivity

Average temperature in °C		10
Thermal conductivity	W/(m · °C)	≤0,042
Average temperature in °C		10
Thermal resistance	(m <sup>2</sup> · °C)/W	≥1,31

## Specific heat

0,8 kJ/kg · K

## Permeability to water vapour

The permeability of IBR-ALUMINIO depends on the Aluminium Kraft waterproofing, whose value is 0.4 g/m<sup>2</sup> per day mmHg (Cold Institute. Instituto del Frio, File No. 1,103).

## Presentation

Supplied in rolls winded with Kraft and packed in polyethylene bags.

Logistic Classification	Pieces/bag	m <sup>2</sup> /bag	Bags/truck (70 m <sup>2</sup> )	m <sup>2</sup> /truck (70 m <sup>2</sup> )
A	1	21,00	240	5.040

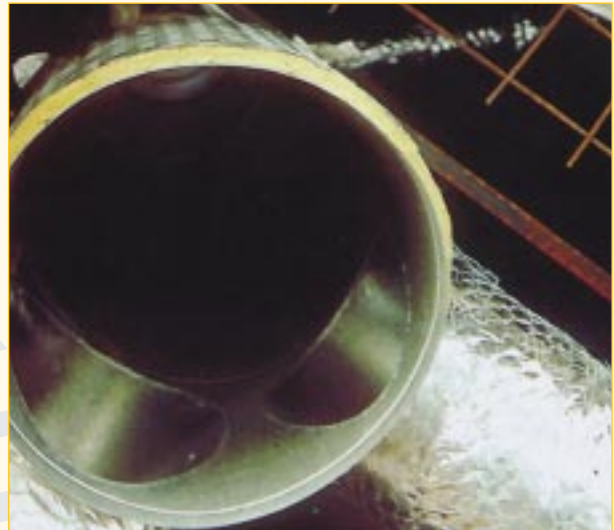
## Fire Classification

M0 (non-combustible).

## Other properties

The product is chemically inert and cannot be attacked by chemical agents except for hydrofluoric acid. It will not rot and it is odourless. It is not a food source for rodents nor does it provide an adequate environment for the development of insects and microorganisms. This product is very flexible, easily handled and easily cut as required.

## Assembly details



## Certificates

### Product Certificates:

- AENOR
- INCE



### Company Certificates:

- Company Register

The Spanish Standardisation and Certification Association (AENOR) does hereby certify that the Quality Assurance System adopted by CRISTALERIA ESPAÑOLA, S.A. (Insulation Division), for its products manufactured in Azuqueca de Henares (Guadalajara) is in compliance with the requirements of the UNE 66 902 – ISO 9 002 – EN 29 002 Standards (Quality Systems. Model for Quality Assurance in production and installation).

