

All your insulation problems solved

Comprifix have the financially viable answer to your insulation and sound absorption problems.

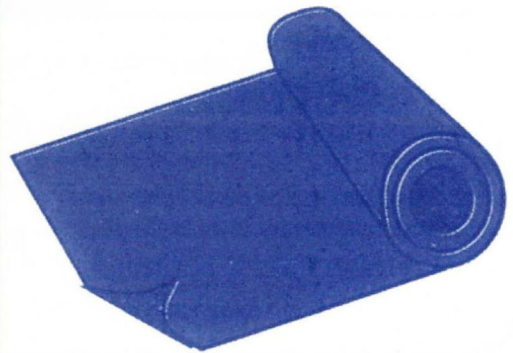
WE ARE THE ANSWER!

COMPRI-SHEET

Flexible cellular polyethylene foam with high insulation and acoustic properties

COMPRI-SHEET is remarkably versatile and can be cut, sliced, punched, embossed, thermoformed and laminated to various substrates or made self-adhesive.

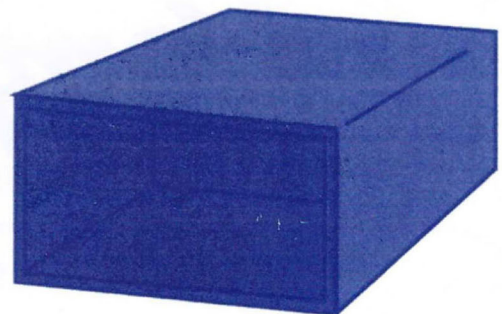
COMPRI-SHEET can be used in air-conditioning, refrigeration, heating, protective packaging, household D.I.Y, automotive, solar heating and many other applications.



DUCT-WRAP

DUCT-WRAP is a flexible, low density polyethylene, faced with aluminium foil.

Ideal product for insulating internal or external ducting. DUCT-WRAP has a class 1 fire rating and there is no danger of loose fibre being blown into the duct system. DUCT-WRAP is easy to install due to its flexibility. It has an operating temperature of -40°C to $+90^{\circ}\text{C}$. DUCT-WRAP has a moisture absorption of less than 2% by volume. DUCT-WRAP also has excellent acoustic properties.



DATA SHEET DUCTWRAP (Foil Faced Duct Insulation)

Ductwrap has a Class 1 fire rating and there is no danger of loose fibre being blown into the duct system. It is easy to install due to its flexibility and has an operating temperature of -40°C to +90°C. It has a moisture absorption of less than 2% by volume. It is also recognised for having excellent acoustic properties. It can be used in rectangular and round heating, ventilation and air-conditioning duct systems. It significantly reduces any gain in heat or heat loss, ensures lower operating costs and contains excellent acoustical properties. It reduces drumming, break-in and break-out sound, controls condensation and provides an excellent water vapour barrier.

PHYSICAL PROPERTIES

MATERIAL	EXTRUDED POLYETHYLENE
SHEET WIDTH	1150MM
ROLL LENGTH	20 METRES
THICKNESS	8,10, 15, 20 AND 25MM
DENSITY	45Kg/m ³
COLOUR	LIGHT GREY WITH FOIL LAMINATION
THERMAL PROPERTIES	
THERMAL CONDUCTIVITY AT A MEAN TEMPERATURE OF 10°C	0,043 W / m.K
THERMAL RESISTANCE	
A) FOIL IN CONTACT WITH HOT PLATE	0,61m ² . K/W
B) FOIL IN CONTACT WITH COLD PLATE	0,56m ² . K/W
TEMPERATURE RANGE	-40°C to +90°C
FIRE RATING	CLASS 1 SABS REPORT 653/82677/93
WATER ABSORPTION	
CHANGE IN VOLUME	0,8%
WATER VAPOUR PERMEANCE	
FOIL LAYER FACING DESICANT	0,004 g/(S.MN)
COMPRESSIVE STRENGTH	
A) BY 70% OF ORIGINAL THICKNESS	75,9 kPa
B) BY 80% OF ORIGINAL THICKNESS	115,9 kPa
ELONGATION AT BREAK	116%
TENSILE STRENGTH	327,0 kPa
MELTING POINT	103°C
UV RESISTANCE	EXCELLENT WITH FOIL COVERING
TOXICITY IN FIRE	NON TOXIC SABS REPORT FPE/84773/07

This information represents typical values, which can vary according to the application. These values do not constitute a performance guarantee. Users should determine, prior to use, the suitability of this material for their particular application.



Suid-Afrikaanse Buro vir Standaarde
South African Bureau of Standards

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PRETORIA 0001

U verw/Your ref: 1615

Ons verw/Our ref: 19/3/21/3

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Datum/Date: 1993-06-22

TOETSVERSLAG **TEST REPORT**

No 653/82677/93

Bladsy/Page 1 van/of 2

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Comprifix CC
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EDENVALE
1610

Hierdie verslag het slegs betrekking op die spesifieke monster(s) wat getoets is, soos hierin geïdentifiseer. Dit impliseer nie dat die kwaliteit en/of prestasie van die betrokke artikel(s) deur die SABS goedgekeur is nie en die toetsresultate is nie van toepassing op 'n soortgelyke artikel wat nie getoets is nie. (Kyk ook die volledige voorwaardes op die rugkant van amptelike toetsverslae.)

This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of official test reports.)

FIRE INDEX TEST ON DUCT INSULATION MATERIAL

It is recommended that the user obtains confirmation from the South African Bureau of Standards that the contents of this report are valid in respect of a given lot of material.

1. SAMPLE

- 1.1 DESCRIPTION. The sample consisted of three specimens of nominal dimensions 350 mm x 2 400 mm x 14 mm. The specimens were of sandwich construction with the following laminations.

Laminate No. 1 Aluminium foil.

Laminate No. 2 Grey coloured flexible polymeric foam of nominal thickness 5 mm.

Laminate No. 3 Grey coloured flexible polymeric foam of nominal thickness 9 mm.

Laminate No. 4 Mild steel sheeting of nominal thickness 1 mm.

The sample was marked by the sponsor as "10 mm Insulfrax Ductwrap".

- 1.2 DATE OF RECEIPT. 14 June 1993.

2. TEST

- 2.1 NATURE AND METHOD. The tests to establish the surface fire index of the sample were carried out in our tunnel furnace following the relevant procedures referred to in SABS 1238 "Air-conditioning ductwork". The 1 mm mild steel sheet served as the baseboard and the aluminium foil was exposed to the heat of the furnace.

- 2.2 DATE OF TEST. 14 June 1993.

/3. RESULTS ...

3. RESULTS

Spread of flame index : Nil
Heat contribution index : Nil
Smoke emission index : Nil
Surface fire index : Nil
Class : 1



JJ du Plessis
HEAD: FIRE ENGINEERING DIVISION
for PRESIDENT

This report relates only to the samples tested and is issued subject to the conditions printed on the back of Page 1. It does not imply approval by the South African Bureau of

Hierdie verslag is van toepassing slegs op die getoetste monsters en word uitgereik behoudens die voorwaardes op die keersy van bladsy 1 gedruk. Dit beteken nie dat die Suid-