



Tembutil-IF™



Heavy-duty butyl rubber protective tape/foil

- Improved butyl formula
- Primary Vapour Barrier (PVB) foil
- Immediate tack and high adhesion performance
- M1 Fire rating
- EN 13823 single burning item test: passed
- Weatherproof
- UV resistant release foil
- Puncture- and tear-resistant



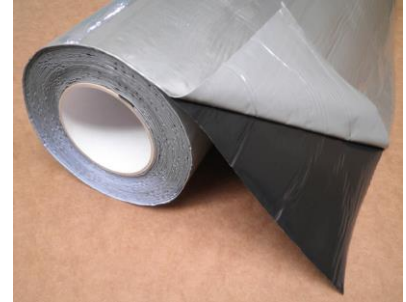
TEMBUTIL-IF™

Description

TEMBUTIL-IF™ is a self-adhesive, heavy duty vapour barrier and weatherproof foil/ tape, used in (petro-)chemical and cryogenic installations (LNG). It is also applied in building and HVAC industry. TEMBUTIL-IF™ meets requirements as per CINI 3.3.6. type: C

Composition

TEMBUTIL-IF™ is a laminate of elastomeric, modified butyl rubber adhesive (improved formula guarantees optimal adhesion strength and flexibility) faced with a 25 µm aluminium foil both sides strengthened by a 12 µm transparent Polyester foil for excellent puncture- and tear-resistance.



Typical uses

TEMBUTIL-IF™ is used for weatherproofing, vapour-barrier protection of cryogenic insulation systems, roof flashings and –repairs, sealing expansion/contraction joints, air-ducts, etc.

Application

The surface must be clean, dust-free and dry. Cut the foil/tape to size, apply and press down firmly. A roller will facilitate adhesion. A minimum overlap of 50mm is recommended. N.B. Removing the release foil gradually whilst applying TEMBUTIL-IF™ will facilitate application and reduce “creasing” or wrinkling.

Dimensions

TEMBUTIL-IF™ is supplied in 1000 mm, 500mm, 100mm and 50mm wide rolls.

Technical data

Butyl thickness	1 mm (± 5%)
Facing	12 µm Polyester + 25 µm bright aluminium + 12 µm Polyester
Surface mass	1.48 gr/cm ³ (± 5%)
Dry extract	> 99%
Service temperature	-30°C to < +80°C
Water resistance	Excellent
Weather resistance	Excellent
Water vapour permeability	0.00 Metric Perm (EN ISO 12572) too low to measure
Right angle peeling on steel	> 15 N/cm
Butyl Resistance to flow at 5°C	≤ 3 mm
Butyl Resistance to flow at 70°C	≤ 3 mm
Fire rating (tested and approved)	M1
Flame Spread to ASTM E84-05	Flame Spread Index 20
Single burning item test EN 13823	C – s2, d0

Shelf life and storage & Compatibility

Store rolls in a properly ventilated room between 50°F (10°C) and 86°F (30°C). Users must check that the butyl mastic is compatible with the substrate, concerning adhesion, staining and chemical reaction.

This data sheet is based on specifications, data and test results available to us at the time of publication. In the course of time changes herein may (have) take(n) place. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative. No guarantee as to completeness, accuracy or results is either expressed or implied.