



## Tembutil-316



### Self-adhesive heavy duty jacketing foil

- Improved butyl formula
- Self-adhesive jacketing foil
- Immediate tack and high adhesion performance
- Weatherproof
- UV resistant release foil
- Puncture- and tear-resistant



## **TEMBUTIL-316**

### **Description**

TEMBUTIL-316 is a self-adhesive, heavy duty jacketing foil, used in (petro-)chemical and cryogenic installations (LNG) or other sites where insulation is traditionally covered with stainless steel jacketing/ cladding for mechanical protection. Tembutil-316 is suited for use in marine (salt water) environments.

### **Composition**

TEMBUTIL-316 is a laminate of elastomeric, modified butyl rubber adhesive (improved formula guarantees optimal adhesion strength and flexibility) faced with 51 µm stainless steel 316 with a bright annealed finish.

### **Typical uses**

TEMBUTIL-316 is used to provide mechanical protection to insulation materials. Due to its self-adhering properties it can be applied without puncturing it by rivets/ screws. Tembutil-316 makes it possible to apply jacketing to the insulation prefab instead of on site.

### **Application**

Wear suitable gloves when handling this material since edges can be sharp. Gloves should be certified according to EN388 (minimum) or EN1082 (preferred).

The surface must be clean, dust-free and dry. Cut the foil 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-316 will facilitate application and reduce “creasing” or wrinkling.

### **Dimensions**

TEMBUTIL-316 is supplied in 1000 mm wide rolls.

### **Technical data**

Butyl thickness	1 mm (± 5%)
Facing	51 µm bright stainless steel 316
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
Butyl Resistance to flow at 5°C	≤ 3 mm
Butyl Resistance to flow at 70°C	≤ 3 mm

### **Shelf life and storage & Compatibility**

To guarantee shelf life of 12 to 18 months store rolls in a properly ventilated room between 50°F (10°C) and 86°F (30°C). Users must check if 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.