

# POLYTAPE AL

## Aluminium Surfaced Flash Band

POLYTAPE AL flash band is self-adhesive, aluminum faced bitumen backed rubber modified sealing strip.

### CHARACTERISTICS

- ▶ Provides an instant seal and exhibits good resistance to water and vapors.
- ▶ Good Adhesion to many substrates
- ▶ Efficient and cost effective.
- ▶ Easily applied by hand pressure only
- ▶ Available in wide range of widths & Colours
- ▶ Lasting protection in all climates.
- ▶ Can be applied in low temperatures.
- ▶ UV – resistant

### FIELD OF APPLICATION:

Polytape AL is used for flashing, sealing and repair against ingress of water for mobile homes, small commercial roofs, residential porches and dormers, farm buildings, roof and gutter patching and on profile sheets. It can also be used as a flashing on up-stands.

### APPLICATION INSTRUCTION

The application temperature should be between 5°C to 55°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the self-adhesive waterproofing system is as follows:

#### Surface preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, protrusions, structurally unsound and friable concrete must be removed and repaired with a suitable POLYCRETE\* concrete repair mortar.

#### Priming

The adhesion can be improved by apply POLYPRIME SB\* (Solvent based primer) @ 4- 6 m<sup>2</sup>/lt to a clean smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane. In addition, the primer also acts as a binder for the dust which gets accumulated on the surface even after cleaning.

#### Application

Unroll only the required length and cut the pieces to the desired shapes and size. Place the pieces of membrane on the area to be covered and check whether they match with the profile of the marked substrate. Peel off the release film from the self adhesive side and start unrolling the membrane and press it to the surface. Smoothen the membrane from the center to the edges with a wooden press in order to remove any entrapped air. Furthermore, an iron roller can be used for rolling on top of the applied membrane to ensure a proper and strong adhesion of the bitumen compound with the base surface ensure a minimum of 50 mm overlap.

### STORAGE & SHELF LIFE

Store under cover, out of direct sunlight and protect from extreme temperature. In tropical climates the product must be stored in an air-condition environment. Shelf life is up to 12 months when stored as per recommended storage condition.

### HEALTH & SAFETY

As with all bitumen products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

## TECHNICAL SPECIFICATION

Property	Test Method	Data
Top surfacing		Aluminum Foil
Thickness, [mm]	DIN EN 1849-1	1.2
Backing Thickness, [mm]		0.08
Mass per unit area, [kg/m <sup>2</sup> ]	DIN EN 1849-1	1.2 ±0.05
Softening point(R&B), [°C]	ASTM D 36	> 105
Tensile strength [Film], [N/mm <sup>2</sup> ]	ASTM D 882	Long 40 Trans 45
Elongation @ break Long [Film], [%]	ASTM D 882	Long 150 Trans 150
Tear strength [Film], [N]	ASTM D 1004	Long 20 Trans 20
Adhesion strength, [N/mm]	ASTM D 1000	
Primed substrate		1.8
Self		2.2
Puncture resistance, [N]	ASTM E 154	>220
Reflectance, [%]	EN 410	> 60
Hydrostatic pressure @ 5bar (50m)	BS EN 12390 (Part 8)	No Leakage
Water absorption [Film] @24 hrs, [%]	ASTM D 570	0.14
Chemical resistance, [pH]	ASTM D 543	2.5-11.5
Low temperature flexibility, [°C]	ASTM D 1970	<-15
Crack bridging ability, [mm]	ASTM C 836	> 1

In accordance to the standard 5-20 % tolerance is expected

In accordance to the standard 5-20 % tolerance is expected.

## SUPPLY

Polytape AL

Width mm 50, 75, 100, 150, 200,  
300, other available  
upon request.

Thickness mm 1.2

Length m 10

Polyprime SB 20 lt pail & 200 lt drum

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

Manufactured in G.C.C.

**Henkel Polybit Industries Ltd.**

P.O. Box 293, Umm Al Quwain, UAE

Tel: +971 6 7670777, Fax: +971 6 7670197

henkelpolybit@henkelpolybit.com

**Henkel Polybit Industries Ltd.**

P.O. Box 2230, Al Khobar 31952, KSA

Tel: +966 13 808 4061/62, Fax: +966 13 812 1164

dammam@henkelpolybit.com

