TAPE 1

Prefabricated, Self-Adhesive, Cold Applied Bitumen-Polymer Strip

Technical data sheet

When different types of road structure meet, a flexible joint must be created between the structures.
The TAPE 1 forms a flexible watertight seal accomodating slight movement from cyclic loads and thermal changes thus preventing cracking and subsequent erosion of the joint by weathering.
On request it can be added with biocides to prevent vegetative growth.

The Product

TAPE 1 is an elasto-plastic jointing strip made of bitumen modified with "SBR" type thermoplastic elastomers, extruded, preformed and industrially prefabricated, self-adhesive, cold applied, ready for use.

Uses

The TAPE 1 strip can be used as a:

- Connecting piece between the different elements the edges of which form discontinuity of the road surface: - between the bituminous mix and the concrete elements; - between the bituminous mix surface and the borders of functional elements such as sumps and gratings;
- Connecting and sealing joints during installation of the bituminous mix road surface.

Description

TAPE 1 is a strip in modified bitumen, industrially preformed, designed and developped to ensure maximum union, adhesion and elasticity between discretely connected road surface elements-bituminous mixes, concrete, steel-allowing expansions and settling, without cracks forming.
The formula includes special root/weed killer that prevents all forms of plant growth.

Preparation and installation procedures

Installation is quite simple.
The surfaces involed must be smooth dry, devoid of grease and free from dust or impurities and humidity.
The TAPE 1 strip is bonded between the vertical faces of the joint.
In the case of bonding existing asphalt or concrete structures; these should first be cut to provide a clean straight edge.

Laying Instructions

Select the profile, taking into account that TAPE 1 strip must be fitted vertically on the joint area and must be about 10 mm higher than the upper surface of the layer to be installed.
For instance, if a 30 mm thick finished top surface is expected, the TAPE 1 profile must be at least 40 mm high.
Secure the strip to vertical face by firmly pressing in place.
When the temperature drops below about 15°C, the application might be assisted by heating the substrate to improve adhesion.
It is not reccomended to heat the TAPE 1.
Storing the TAPE 1 at room temperature.

Storage and Shelf Life

The quality and the characteristics of materials remain unaltered for a very long time.
It is however best to use the product within 12 months.
For correct storage, a dry, covered place is best at a temperature between +5°C and +40°C.
The product is not affected by frost.

Dimensions and packaging

Standard length: 10 m
Standard thickness: 10 mm
Standard width: 40 mm
The rolls are positioned in the box and placed in pallets. 54 boxes per pallet.
No. rolls per Box: 2.

Technical data

CHARACTERISTICS	VALUE	TEST
Thickness	10 mm	-
Softening Point	> 120°C	EN 1427
Density at 25°C	1.3 ± 5% Kg/dm^3	EN 13880-1
Cone Penetration at 25°C	22 ± 2 0.1 mm	EN 13880-2
Resilience at 25°C	6 ±2 0.1 mm	EN 13880-3
Flow Resistance at 60°C	0 mm	EN 13880-5
Adhesion to Concrete	76.2 ± 5.5 N/cm^2	DIN 1996-19
Plasticity/Impact Stength	75 % ± 5 %	DIN 1996-19
Hardness (shore A)	70	ASTM D 2240

For further information refer to the Safety Data Sheet. The figures shown on this product leaflet can vary within a tolerance of +/-5%.
The manufacturer reserves the right to change product characteristics at any time without prior notice.

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