Self Adhesive Butyl Lap Tape

Butyl rubber tape for EPDM membrane lap joints

PRODUCT CODE WP-TAP-000001 **DOCUMENT** NB-TDS-TAP-WP-TAP-000001

01 Product description

Nexbride-Waterproof Self Adhesive Butyl Lap Tape is a flexible butyl rubber tape with a removable release liner, designed to bond and seal laps in EPDM waterproofing membranes. It is applied within membrane overlaps using a compatible primer and consolidated with a hand roller to form a continuous sealed joint.

02 Key features

- Flexible butyl adhesive conforms to membrane lap joints.
- Self adhesive bonding for straightforward lap installation.
- Removable release liner for controlled placement.

03 Recommended uses

Side and end laps between EPDM waterproofing membranes, including joints used to extend membrane width or length.

04 Product information

Item	Specification
Material and construction	Butyl rubber adhesive with removable release film
Appearance and colour	Black; smooth surface
Nominal thickness	1.0 mm; tolerance ±0.1 mm
Width and length	80 mm x 20 m Width tolerance: ±1 mm; length: minimum 20 m
Packaging	4 rolls per carton

05 Technical properties

Property	Test Method	Unit	Measured Result
Initial bond force (23 °C)	JC/T 942-2022	N	80; no adhesive failure
Heat resistance (100 °C, 2 h)	JC/T 942-2022	-	No slippage, flow or deformation
Low temperature flexibility (-40 °C)	JC/T 942-2022	-	No cracks
Adhesion under shear	JC/T 942-2022	N/mm	3.9
Peel strength Standard conditions	JC/T 942-2022	N/mm	0.70
Peel strength after heat treatment 80 °C, 168 h	JC/T 942-2022	N/mm	0.61

Property	Test Method	Unit	Measured Result
Peel strength after alkali treatment Saturated Ca(OH)2 solution, 168 h	JC/T 942-2022	N/mm	0.63
Peel strength after water immersion 168 h	JC/T 942-2022	N/mm	0.59
Elastic recovery	JC/T 942-2022	%	80
Heat ageing (120 °C, 168 h)	JC/T 942-2022	-	No cracking, hardening or loss of adhesion

Measured results for the 80 mm x 20 m tape with a nominal thickness of 1.0 mm. Test procedures and conditioning follow JC/T 942-2022; additional conditions are shown above.

06 Application guidelines

Substrate preparation

Prepare the membrane lap surfaces and apply a compatible primer before bonding. Use the tape with a hand pressure roller.

Installation

1. Position and bond the tape along the prepared membrane lap.
2. Remove the release liner and bring the overlapping membrane into contact with the tape.
3. Consolidate the full joint with a hand roller, maintaining continuous contact along the lap.

07 Limitations and compatibility

- Use with EPDM membranes and a compatible primer. Check suitability for other surfaces and coatings before use.
- Heat, cold-flexibility and heat-ageing test temperatures do not define installation or continuous service temperature limits.

08 Storage and shelf life

Item	Requirement
Storage conditions	Store at room temperature in a dry, ventilated place, away from direct sunlight. Keep packaging intact and protect against impact and cuts. Store cartons flat; stack no more than five cartons high.
Shelf life	12 months at room temperature under the stated storage conditions.

09 Health and safety

Keep away from fire and naked flames. Prevent contact with acids, alkalis, oils and organic solvents during storage and transport.

10 Technical notes

The technical properties are measured results under the stated laboratory conditions, not minimum guaranteed values. They apply to the standard specification shown in this sheet. Dimensional tolerances are stated separately in Product information.