



TECHNICAL DATA

SCAPA 621

Butyl Flashing Tape

DESCRIPTION

Scapa 621 is a UV-resistant polyolefin coated fabric, single coated with a synthetic butyl rubber adhesive. The product is supplied with a brown kraft paper release liner.

APPLICATIONS

- Exterior flashing in construction applications

PRODUCT BENEFITS

- Provides seamless protection against moisture during construction and after siding is installed
- Energy efficient, prohibits air conditioning and heat loss around window and door openings
- Prevents water infiltration
- Excellent aging properties and UV resistance (up to 12 months)
- Long-term adhesion to a variety of surfaces including OSB and other standard building substrates
- Asphalt-free adhesive will not stain surfaces
- 100% VOC free
- Superior cold flow leads to exceptional nail-sealability
- Printable backing
- Hand tearable product

TECHNICAL PROPERTIES

Total Thickness (not including liner)	16 mils (.40 mm)
Adhesive Thickness (butyl)	10 mils (.25 mm)
Backing Thickness (polyolefin coated fabric)	6 mils (.15 mm)
Backing Color	White

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Testing Request: Adhesion to OSB at 25 °F of Flashing Tapes

Objective:

To evaluate and compare the 90-degree peel adhesion to OSB (oriented strand board) of Scapa's #621 flashing tape against 2 different tapes also designed to be self adhering exterior wall fenestration products. Their compliance to the AAMA 711-07 testing specification is also discussed.

Method:

Tape samples and OSB plates were put in the freezer for 24hrs. Tapes were mounted onto the OSB panels and rolled down by hand for 4 passes and then returned to the freezer for another 24 hrs before testing at 25°F. Peel adhesion was tested based on ASTM D3330 method F.

Materials:

OSB: Grant Forest Products, APA Exposure 1, smooth side out
Scapa #621: White PE coated cloth, butyl adhesive
Competitor A: Optiflash B20 (Nashua/Polyken)
Competitor B: Rubberized asphalt adhesive

Results:

Table 1: Thickness and 90-degree peel adhesion to OSB at 25°F

Tape	Thickness (mils)		Average Adhesion to OSB (lbs/in)
	Overall	Adhesive	
Scapa #621	16.0	~10	2.5
Optiflash B20 (butyl)	20.0	~14	2.0
Competitor B (asphalt)	22.3	~20	Does not stick

Discussion/Conclusion:

According to the AAMA 711-07 "Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products", *manufacturers shall specify installation temperature ranges on their products such that the 90-degree peel adhesion to OSB meets the minimum adhesion requirement of 1.5 lbs/in at the temperatures claimed.*

All the products tested, except for the product with a rubberized asphalt adhesive, meet the minimum adhesion requirement at 25°F. Competitor B's product did not adhere to the OSB at 25°F. The test strip simply fell off the panel when turned over or pulled back for testing.

Furthermore, Scapa's #621 product has approximately 4 mils less adhesive than the other butyl tape but offers a comparable performance when tested for 90-degree peel adhesion to OSB at 25°F.