

NSS Construction Tapes (Roof, Wall and Floor)

6739 Green

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Characteristic	Method	Value
Thickness		320 Microns
Adhesive Type		Modified Acrylic
Adhesive Weight		260gsm
Carrier		Green PE 60microns; Scrim 3.5gsm
Liner		90gsm Yellow Glassine Paper
Peel Adhesion	Afera 5001	40 N/25mm
Dynamic Shear	FTM 18	0.1 N/mm ²
Tack	FTM 9	33 N/25mm
Temperature Resistance	AA-B-12-07	-40 to 80°C

Background

Modern buildings are constructed to be as energy efficient as possible, this means optimising the air-tightness of each construction. A wide variety of vapour control membranes are produced and marketed for this purpose and they are employed as a wrapping to the building frame. Loose membrane overlaps and other permeable areas of the building shell can lead to air leakage, energy loss and possibly damage to the building structure. It is essential therefore that those critical areas are carefully sealed to optimise the air-tightness of buildings and prevent unnecessary energy loss, critical areas include:-

- Wood Based Panel Joints
- Vapour Control Layer Joints
- Joins around Window Frames
- Joins around circular and Angular penetrations for example extractor pipes
- Tears in a vapour control barrier
- Base joints

Use of a high quality solvent free adhesive tape system, which is capable of an excellent bond to a variety of substrates and materials, is necessary. NSS has specialised for many years in the design and production of the highest quality adhesive tapes for the green building industry. NSS adhesives are exclusively formulated and are Solvent free in order to offer the most efficient bond even after many years in service. Being solvent free ATP's adhesives do not contribute to unwanted emissions in the internal part of the building.

Detail

6739 Green is a single-sided pressure sensitive (PSA) adhesive tape designed specifically for sealing vapour control membranes along flat joins and circular and angular protrusions. Its innovative PE/Scrim based carrier means the tape can flex and handle building movements without tearing. The tape is suitable for use throughout the interior and exterior of the construction.

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Adhesive

The modified acrylic adhesive offers high adhesive strength combined with high initial tack and excellent aging and weatherability. Moisture resistant the adhesive is capable to bond to a wide variety of surfaces including low energy substrates like PE, PP non-woven materials. The adhesive is free of volatile organic solvents and APEO and exhibits excellent performance in cold environments as well as on damp surfaces.

Key Benefits

Key characteristics and benefits include:-

- Flexible Carrier, tearable by hand
- Non-siliconised, flexible carrier, allows tape overlap and manipulation around protruding pipes and beams
- Moisture resistant carrier
- Highly aggressive acrylic pressure sensitive adhesive
- Excellent adhesion to low surface energy materials
- Excellent wetting out of adhesive renders it suitable for bonding a wide variety of membranes and wood panels with smooth and or course structures
- Adhesive is free of volatile organic solvents and low odour
- Resistant to aging UV resistant carrier

Packaging

To suit but typically supplied in rolls with an 86mm core, rolls are 60mm wide by 40Meters,