

Product: **SPV A-series: SPV 5057A5, SPV 5057A5F, SPV 5058A5, SPV 5058A5F, SPV 5059A7**

Product group: **Surface Protection Tapes**

General description

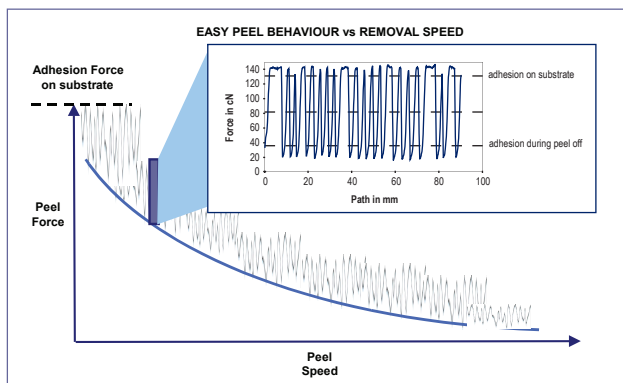
SPV A-Series are surface protection tapes suitable to protect high gloss surfaces during mechanical processes, storage and transportation. Substrates involved can be lacquered plates, plastics, glass, laminates and reflective aluminium. A5-types are recommended to protect high gloss finishes, where A7-types are more suitable for matt appearing surfaces. These products consist of a PE film coated with a pressure sensitive “easy-peel” acrylic-based adhesive, available in various colours and adhesion levels.

Construction



- Pressure sensitive acrylic-based “easy peel” adhesive
- PE film*

- * SPV 5057A5, SPV 5057A5F
Blue transparent
- SPV 5058A5, SPV 5058A5F
Clear transparent
- SPV 5059A7
Green transparent



Characteristics

These products protect the substrate till the end of the supply chain against scratches and impurities. The tapes are available in 2 different adhesion levels: medium (A5) – high (A7). Both adhesives have a good humidity resistance. The ‘easy peel’ behaviour of the adhesives shows a low unwind and tension during lamination process. It requires only a minimal peeling force to remove the tape easily from the protected surface. This peeling force will decrease in function of the removal speed. The transparency in different colours of the A-Series allows easy identification and inspection of the protected substrates. SPV 5057A5F and SPV 5058A5F are special treated versions of 5057A5 and SPV 5058A5. Its high transparency makes this product suitable for the protection of more critical surfaces where high esthetical appearance is required.

Application

SPV A-Series are surface protection tapes suitable to protect high gloss substrates like lacquered plates, plastics, glass, laminates and reflective aluminium. A5-types are recommended to protect high gloss finishes, where A7-types are more suitable for matt appearing surfaces.

The use of these tapes makes it possible to process the protected surfaces with a high adhesion level. Furthermore, it makes them suitable to remove from thin and fragile substrates without deforming due to the low peeling force.

Features

- special “easy-peel” adhesive
- zipper effect during peel off
- very low unwind
- available in 2 different adhesion levels
- for protection of high gloss surfaces
- for protection of thin and fragile substrates
- good humidity resistance
- available in different colours
- high transparency (SPV 5057A5F, SPV 5058A5F)
- substrate identification and inspection
- recyclable

Properties

	Typical Value		Test method
	A5-type	A7-types	
Film type	PE film	PE film	
Adhesive type	Acrylic-based	Acrylic-based	
Total thickness	50 µm	50 µm	EN 1942
Adhesion on BA steel	70 cN/20mm	150 cN/20mm	EN 1939
Tensile strength MD**	22 N/20mm	22 N/20mm	EN 14410
Elongation MD	250%	250%	EN 14410
Weatherability on BA steel*	75 h	75 h	ISO 4892-2
Colour (Transparent)	Blue 5057A5 - 5057A5F		
	Clear 5058A5 - 5058A5F		
	Green 5059A7		
Transport and storage conditions	Temperature 15 to 30 °C		
	Relative humidity 40 to 75 %RH		

Details from the test methods are described on the customer product specification.

* The weatherability is measured on BA steel. Depending on the substrate the weatherability performance can be different.

** MD=Machine Direction

Warranty

The product is guaranteed to be free from defect in material and workmanship at the time of delivery and will be suitable for use for a period of 6 months thereafter, subject to the conditions set out herein.

Availability

Widths: 1000 mm, 1250 mm, 1500 mm, 2000 mm* and 2500 mm*

Lengths: 500 m and 1000 m

* Not applicable for SPV 5057A5F/5058A5F

Please contact us for specific dimensions.

Lamination guidelines

- The tapes should be applied to clean and dry surface by automatic mechanical means.
- In order to avoid entrapped air-bubbles, excessive tension and shear, the customer should determine appropriate lamination conditions.
- The best lamination conditions are obtained at a temperature between 15 °C and 40 °C.

Application guidelines

- In general, these tapes are immediately usable for further processing after lamination.
- SPV A-Series cannot be used on lacquers containing softeners (such as PVC lacquers).
- SPV A-Series are not designed for prolonged outside exposure.
- Surface protection tapes are not meant for permanent protection, they should be removed at the end of the supply chain.

If you require additional information on technical properties and application as well as product sampling or testing, please contact your local Nitto Europe sales office.

General conditions of use and precautions:

The properties of the product might be adversely affected by various elements such as composition, condition and surface of and impurities in or on the substrate, temperature and humidity during storage and the surrounding environment at and after application and time of exterior use. When the product is used in combination with another material or process, the user shall assure the compatibility of the product in such combination and whether this combination results in the expected performance. The same principle applies in the event of product use in extreme conditions or circumstances, whether at or after the moment of application, including extended exposure to sunlight or extreme temperatures and pressure.

Packaging, transport and storage:

During transport and storage the product should always be protected against direct sunlight and extremes in temperature and humidity and contained in its original packaging. Once removed from its packaging, it should be promptly applied and remain shielded from direct sunlight and extreme temperature as well as protected against dust and other impurities.

Liability:

Except for its wilful misconduct, Nitto Europe's liability shall be limited to a replacement, a reimbursement or an additional delivery of the product, and shall not exceed the purchase price of the products. In no event shall Nitto be liable in respect of any indirect or consequential damages, including loss of profits. The above limitations of liability shall equally apply if Nitto Europe has assisted in any manner with the selection, treatment or application of the product.

Product information:

This datasheet provides a general description of the product properties and application scope. Full technical details in connection with this product are presented in the customer product specification, which is available upon request.

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This datasheet replaces all previous versions

Nitto Europe NV has obtained following certificates:

- ISO 9001

- ISO 14001

- ISO/TS 16949

Please check our website for applicable scope