

SPV A-SERIES: SPV 5057A5, SPV 5057A5F, SPV 5058A5, SPV 5058A5F, SPV 5059A7, SPV 5057A9

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 and A9-types are more suitable for matt and rougher appearing surfaces.

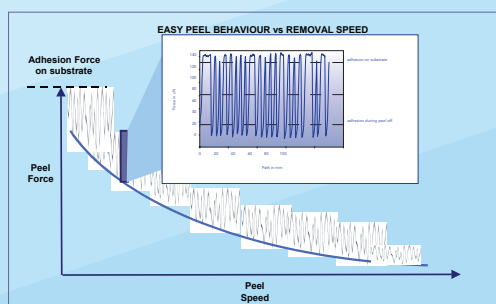
These products consist of a PE film coated with a pressure sensitive "easy-peel" acrylic-based adhesive, available in various colours and adhesion levels.

Construction



- Pressure sensitive acrylic-based "easy peel" adhesive
- PE film*

*SPV 5057A5, SPV 5057A5F, SPV 5057A9
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. These tapes are available in 2 different adhesion levels: medium (A5) – high (A7) - very high (A9). The 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 and A9-types are more suitable for matt and rougher 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.

CORE FUNCTION



TO PROTECT

Features

- special "easy-peel" adhesive
- zipper effect during peel off
- very low unwind
- available in 3 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



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Code: DS/12.07/A5 SPV A series ENG
This datasheet replaces all previous versions



Properties

	Typical Value			Test Method
	A5 type	A7 type	A9-type	
Film Type	PE film	PE film	PE film	
Adhesive type	Acrylic-based	Acrylic-based	Acrylic-based	
Total Thickness	50 µm	50 µm	50 µm	EN 1942
Adhesion on BA steel	70 cN/20mm	150 cN/20mm	300 cN/20mm	EN 1939
Tensile strength MD**	22 N/20mm	22 N/20mm	22 N/20mm	EN 14410
Weatherability on BA steel*	75h	75h	0h	ISO 4892-2
Elongation MD*	250 %	250 %	250 %	EN 14410
Colour	Blue 5057A5 - 5057A5F - 5057A9 Clear 5058A5 - 5058A5F - Green 5059A7			
Transport and storage conditions	Temperature 15 to 30 °C Relative humidity 40 to 75% RH			

* The weatherability is measured on BA steel. Depending on the substrate the weatherability performance can be different. ** MD=Machine Direction
Details from the test methods are described on the customer product specification.
CAUTION: The above are typical values and should not be used in writing specifications.

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.

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, 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 Belgium'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 Belgium 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.

The information reflected in this datasheet is subject to change and the product described herein may be modified or discontinued without notice.

Nitto Belgium NV has obtained following certificates:

- ISO 9001
- ISO 14001
- IATF 16949

Please check our website for applicable scope

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

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