

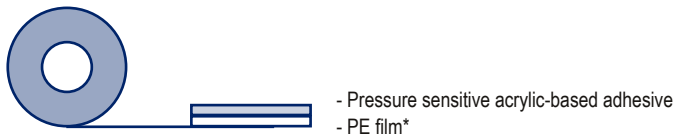
**Product:** **SPV R-series:** SPV 4058R3, SPV 4057R, SPV 4058R, SPV 4058RF, SPV 4059R, SPV 4088R, SPV 4088RF, SPV 4058R7, SPV 4088R7

**Product group:** **Surface Protection Tapes**

### General description

SPV R-series are surface protection tapes suitable to protect lacquered plates, glass, plastics and decorative laminates during mechanical processes, storage and transportation. These products consist of a PE film coated with a pressure sensitive acrylic-based adhesive, available in various colours, adhesion levels and thickness.

### Construction



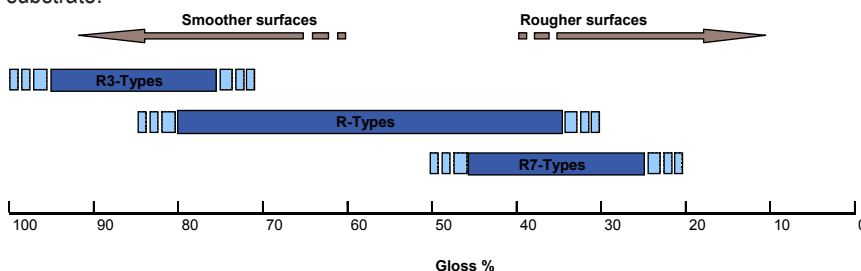
* SPV 4057R	Blue transparent
SPV 4058R3, SPV 4058R, SPV 4058RF, SPV 4088R,	Clear transparent
SPV 4058R7, SPV 4088R7, SPV 4088RF	Green transparent
SPV 4059R	

### Characteristics

These products protect the substrate till the end of the supply chain against scratches and impurities. Depending on the protection required, these tapes are available in a thickness of 50µm and 80µm. The pressure sensitive acrylic-based adhesive shows good wetting behaviour during application. These tapes are available in 3 different adhesion levels: low (R3) – medium (R) – high (R7). Furthermore, the adhesives have a good humidity resistance. Low unwind during lamination and easy removability after application are typical properties for the R-series. The transparency in different colours of R-series allows easy identification and inspection of the protected substrates. SPV 4058RF/4088RF is a special treated version of SPV 4058R/4088R. Its high transparency makes this product suitable for the protection of more critical surfaces where high esthetical appearance is required.

### Application

SPV R-series are ideal products to protect lacquered plates (such as acrylic, PUR, polyester, PVDF, epoxy powder coatings), glass, plastics (such as PMMA, ABS, PC, hard PVC) and decorative laminates. These tapes cover a wide variety of different substrates with gloss levels varying from 25% to 95%. Typical gloss levels for R3 - R- R7 are as mentioned in following table. The selection of the suitable type according to the gloss can be influenced by the roughness of the substrate.



### Features

- special adhesive technology
- good wetting behaviour
- low unwind
- easy removable
- good humidity resistance
- usable for a wide variety of surface gloss levels
- available in 3 different adhesion levels
- substrate identification and inspection
- recyclable
- high transparency (SPV 4058RF / SPV 4088RF)

**Properties**

	Typical Value				
	R3-type	R-types		R7-types	
Colour (transparent)					
Clear:	4058R3	4058R(F)	4088R(F)	4058R7	4088R7
Blue:	4057R				
Green:	4059R				
Film type	PE film	PE film	PE film	PE film	PE film
Adhesive type	Acrylic-based	Acrylic-based	Acrylic-based	Acrylic-based	Acrylic-based
Total thickness	50µm	50µm	80µm	50µm	80µm (EN 1942)
Adhesion on BA steel	65 cN/20mm	120 cN/20mm	90 cN/20mm	180 cN/20mm	160cN/20mm (EN 1939)
Tensile strength MD**	22 N/20mm	22 N/20mm	32 N/20mm	22 N/20mm	32 N/20mm (EN 14410)
Elongation MD	250%	250%	350%	250%	350% (EN 14410)
Weatherability on BA steel*	75h	25h	25h	none	none (ISO 4892-2)
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 4058RF/4088RF  
 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 apply 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 R-series cannot be used on lacquers containing softeners (such as PVC lacquers).
- These tapes are not recommended to be use in heavy forming processes.
- SPV R-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.

Edition: December 2007  
 Code: DS/12.07/A4 SPV R-series ENG  
 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



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