

# HIGH-TEMPERATURE MASKING TAPES

[scapaindustrial.com](http://scapaindustrial.com)



Scapa  
Industrial



# YOUR PARTNER

Scapa is a leading global manufacturer and supplier of bonding solutions and adhesive components to major industries such as Automotive, Cable, Construction, Consumer, Electronics, Flexographic and other Specialty manufacturing markets.

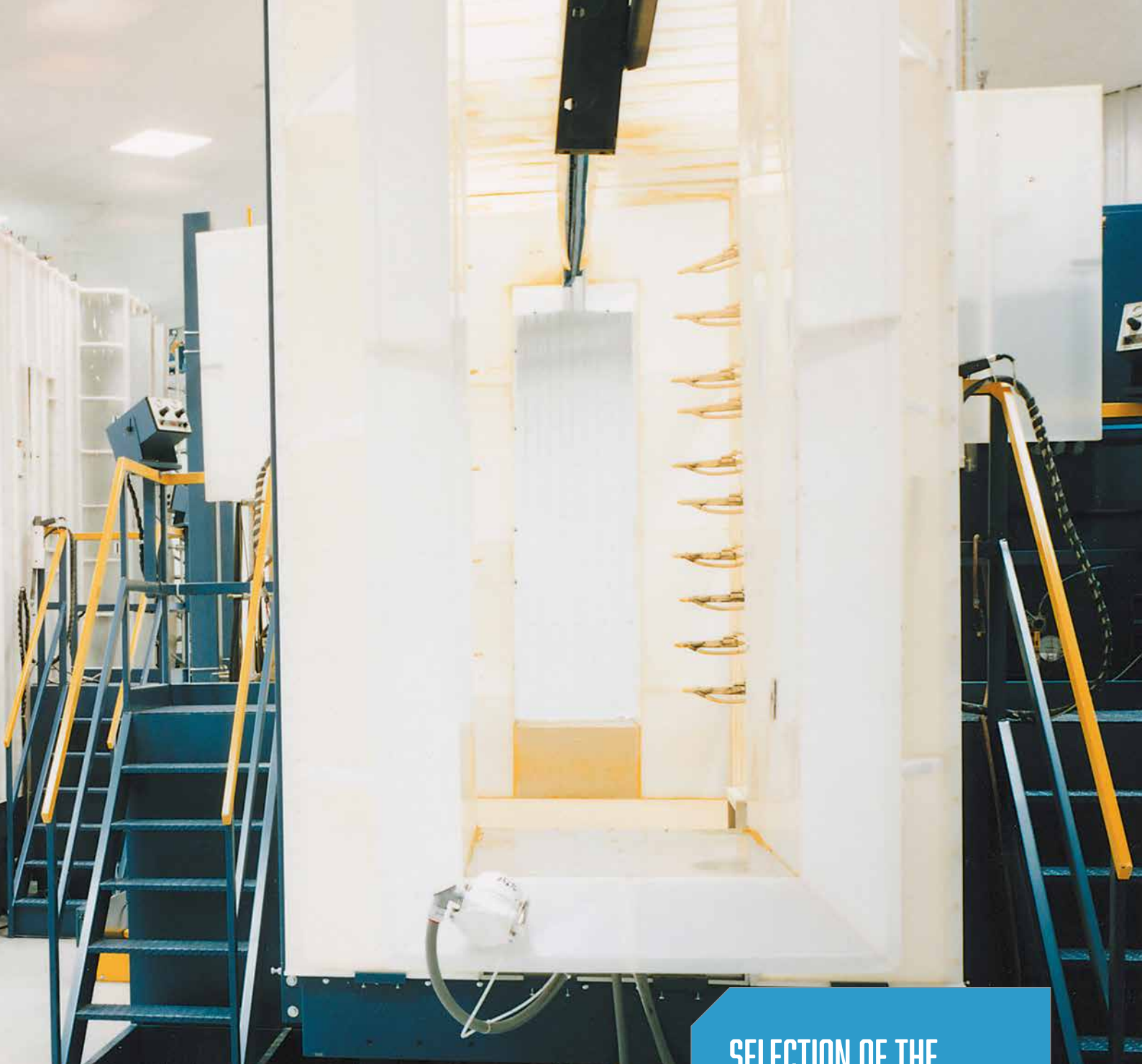
Within the industrial painting market, Scapa offers a dedicated range of specialist products fulfilling all the demanding applications of masking during the paint process.

Whilst specialist masking tapes have been used in high-temperature applications within this market segment for many years, not all masking tapes are the same and there is variation in the very high levels of performance and process benefits that are so vital to the production process.

Whatever the type of masking required, Scapa offers the right pressure sensitive adhesive tape from a comprehensive range to achieve the right result.

For Powder and Thermal Spray Coatings, Scapa has developed masking tapes of specific constructions to give excellent thermal and abrasion resistance whilst protecting surfaces.





## SELECTION OF THE RIGHT TAPE ENSURES:

- › High-temperature performance
- › Conformability and flexibility
- › Easy and clean removal
- › Bonding on different substrates

Our most popular products from our range are presented in this brochure. This presentation is designed to provide you with the most economical format. In addition, Scapa's converting expertise allows the flexibility of finished product in either cut roll format or converted parts to specialist needs.

As Scapa is a specialist in this field, whatever the coating technology used (liquid, powder or thermal) or the industrial sector you are in, you can rely on Scapa's precise technology, application knowledge and ability to advise and customise the best tape solution to your particular needs.

## APPLICATION REQUIREMENTS ARE AS DIVERSE AS:

- › **Transport:** Truck and Bus, Aerospace, Ships, Rail and Military Industries
- › **Building:** Aluminium Profiles, Metal Structures, Furniture and Floor Coverings
- › **Electronics:** White Goods and Electrical Boxes
- › **Automotive:** Car Manufacturing and Repair
- › **Medical:** Surgical Instruments



# YOUR SOLUTION

The Scapa range includes a complete line of masking products, demonstrating high performing adhesion to a variety of surfaces, excellent temperature and chemical resistance and clean removal after use.



## SCAPA PAPER TAPES

Pressure sensitive adhesive semi-crepe paper backed, single-sided with a rubber, acrylic or silicone adhesive system designed to operate in high-temperature applications. The structured, soft and flexible carrier ensures high-strength and excellent conformability for intricate masking requirements. Products exhibit excellent adhesion to a wide range of substrates including metals such as polished and anodised aluminium, while resisting paint flaking.

## SCAPA POLYESTER AND POLYIMIDE TAPES

A range of general purpose masking tapes for Powder Coating operations available in different colours to help identification. Each carrier performs well over high-temperature ranges with no shrinkage, while the thinner version is ideally suited for curved and irregular surfaces. Both product ranges are high-shear and high-temperature resistant, up to 200°C for products having a polyester carrier and up to 260°C for products having a polyimide carrier.

Moreover, polyimide tapes exhibit higher abrasion resistance with excellent conformability and flexibility. An additional feature to both product constructions is that they provide a clean fine line demarcation after removal.

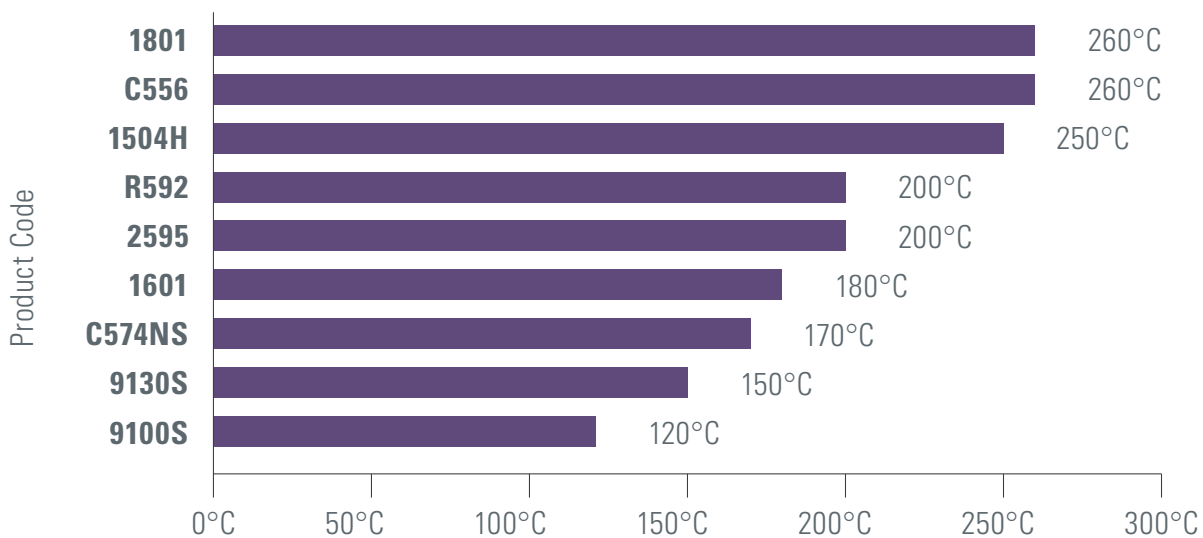
## SCAPA GLASS CLOTH TAPES

General purpose masking tapes with a pressure sensitive silicone adhesive system, specifically designed for Thermal Spray Coating. Products withstand extreme temperature of up to 290°C and give good conformability and flexible qualities for intricate masking requirements.

Different product constructions are available to meet specific application demands. The range includes simple and multi-layer laminate products. This range gives the best choice of high-temperature masking tapes for plasma spray, flame spray, HVOF (High Velocity, Oxygen Fuel), electric arc spray and cold spray processes.

# HOW TO SELECT THE RIGHT TAPE ACCORDING TO YOUR SERVICE TEMPERATURE?

Temperature Resistance\* - 20 min exposure



\*Test parameters: tape applied onto anodised aluminium plate and exposed during 20 minutes at different temperature

**The temperature resistance is validated if results show:**

- Clean removal after use with no residue
- No shrinkage after temperature exposure
- Easy removal in one piece

# HIGH-TEMPERATURE MASKING TAPE RANGE

	Product Code	Adhesive Type	Carrier Thickness $\mu\text{m}$ (mils)	Total Thickness $\mu\text{m}$ (mils)	Operating Temperature $^{\circ}\text{C}$ ( $^{\circ}\text{F}$ ), 20 min exposure	Adhesion to steel N/25mm (oz/Inch)	Colour	Special Features
PAPER	9100S	Rubber	120 (4.72)	130 (5.12)	120 (248)	6.25 (22.95)	Cream	Resistant to emulsion and solvent paints Resistant to IR drying and to oven baking Moderate tack, good peel adhesion
	9130S	Rubber	100 (3.94)	170 (6.69)	150 (302)	7.5 (27.5)	Cream	Good peel adhesion and shear strength Resistant to oven conditions
	2595	Silicone	102 (4.02)	150 (5.91)	200 (392)	8 (29.35)	Cream	Specifically designed for use within powder coating and finishing industries Withstands temperature in excess of 180 $^{\circ}\text{C}$
POLYESTER	C574NS	Rubber	25 (0.98)	50 (1.97)	170 (338)	5.5 (20.2)	Green	Version with rubber adhesive to bond onto low surface energy Thin carrier to ensure good conformability
	1601	Silicone	23 (0.91)	58 (2.28)	180 (356)	8 (29.35)	Blue	Thin carrier to ensure good conformability Higher temperature resistance than C574NS
	R592	Silicone	50 (1.97)	83 (3.27)	200 (392)	10 (36.7)	Green	General purpose masking tape for powder coating operations Thicker version for a highest temperature resistance up to 220 $^{\circ}\text{C}$ short-term
POLYIMIDE	C556	Silicone	25 (0.98)	69 (2.72)	260 (500)	6.8 (24.95)	Amber	Polyimide carrier and high tensile strength providing higher temperature resistance
	1801	Silicone	25 (0.98)	60 (2.36)	260 (500)	6.3 (23.1)	Amber	Kapton®* polyimide carrier (*Dupont de Nemours) Polyimide carrier and high tensile strength providing higher temperature resistance
GLASS CLOTH	1504H	Silicone	114 (4.49)	170 (6.69)	250 (482)	9.5 (34.85)	White	Single-sided fibre glass cloth Retains physical properties at high-temperature

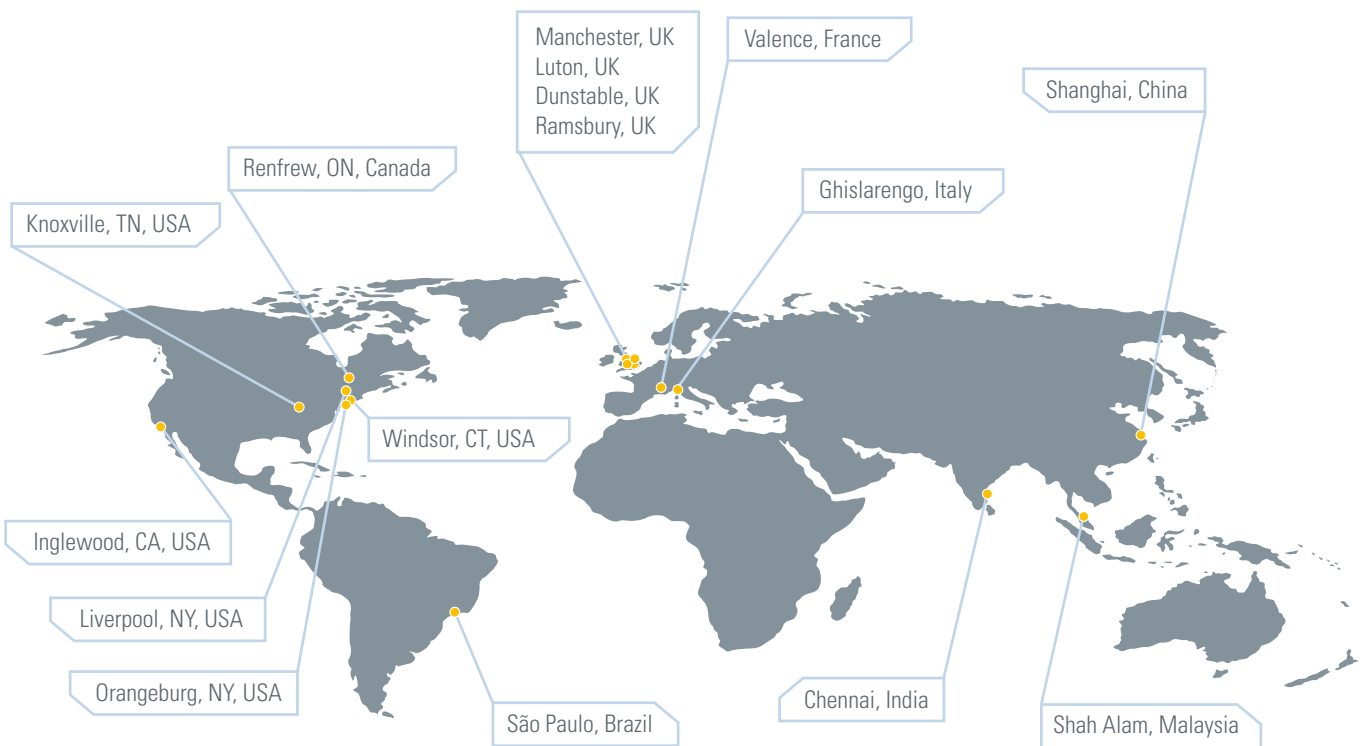
Scapa develops solutions to meet customer demands – a selection of products in our standard range is shown here.

If, however, you do not find the right product for your specific requirements, please contact us to research the best solution.

# NOTES

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# GLOBAL SOLUTIONS



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