

3M™ Industrial Masking Tapes
Selection Guide



A professional finish
every time



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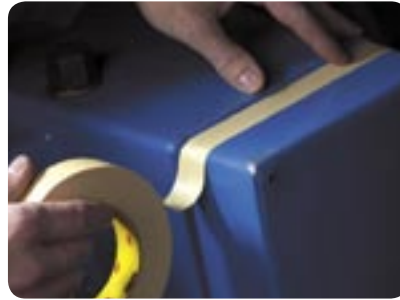
3M™ Masking Tapes provide a wide range of solutions for all kinds of masking challenges. 3M Masking Tapes handle well and stick instantly without stretching or pulling. The consistent performance of 3M Masking Tapes helps reduce time and re-work by avoiding adhesive transfer or poor paint lines.

There are a number of considerations when selecting the right tape for your needs. These include:

The surface – the type of surface you are masking will help determine which tape you should use.

Clean removal time – how long will the tape stay on before you remove it? 3M offers a variety of options to meet your requirements.

Level of adhesion needed – choose a tape with an adhesion level relating to the surface you are masking. Delicate surfaces such as fresh paint or wallpaper require a tape with less adhesion.



General Purpose Masking Tapes can be used for critical and non-critical paint masking as well as a variety of other applications including holding, bundling and splicing. The General

Purpose range includes a choice of performance levels depending on your required level of adhesion and clean removal time.

Specialised Masking Tapes are designed to meet specific masking requirements. If you are masking outdoors, or on a particularly delicate surface or need a thin and fine paint line, then 3M can provide a solution for those needs. Please refer to the selection guide for more details.



	Product Number	Features/ Applications	Backing	Adhesive	Colour	Interior/ Exterior	Clean Removal Time ¹	Surface Type ²	Maximum Use Temperature	Total Thickness	Relative Adhesion	Available widths (mm)
General Purpose Masking Tapes	233	Premium masking tape that resists most paints, sticks readily and releases from most surfaces.	Crepe paper	Rubber	Natural	Interior	1 day	Smooth to Rough	120°C	0.13 mm	High	18, 24, 36, 48, 72, 100
	233+	Premium masking tape that resists most paints, sticks readily and releases from most surfaces.	Crepe paper	Rubber	Green	Interior/ Exterior	3 days	Smooth to Rough	120°C	0.17 mm	High	3, 6, 12, 18, 24, 36, 48
	2308	General purpose masking tape for many paint masking, sealing, holding and bundling applications	Crepe paper	Rubber	Natural	Interior	1 day	Smooth to Rough	120°C	0.14 mm	High	18, 24, 48
	2214	Utility tape for bundling, holding and non-critical paint masking	Crepe paper	Rubber	Cream	Interior	1 day	Smooth to Rough	60°C	0.13 mm	Medium	18, 24, 36, 48

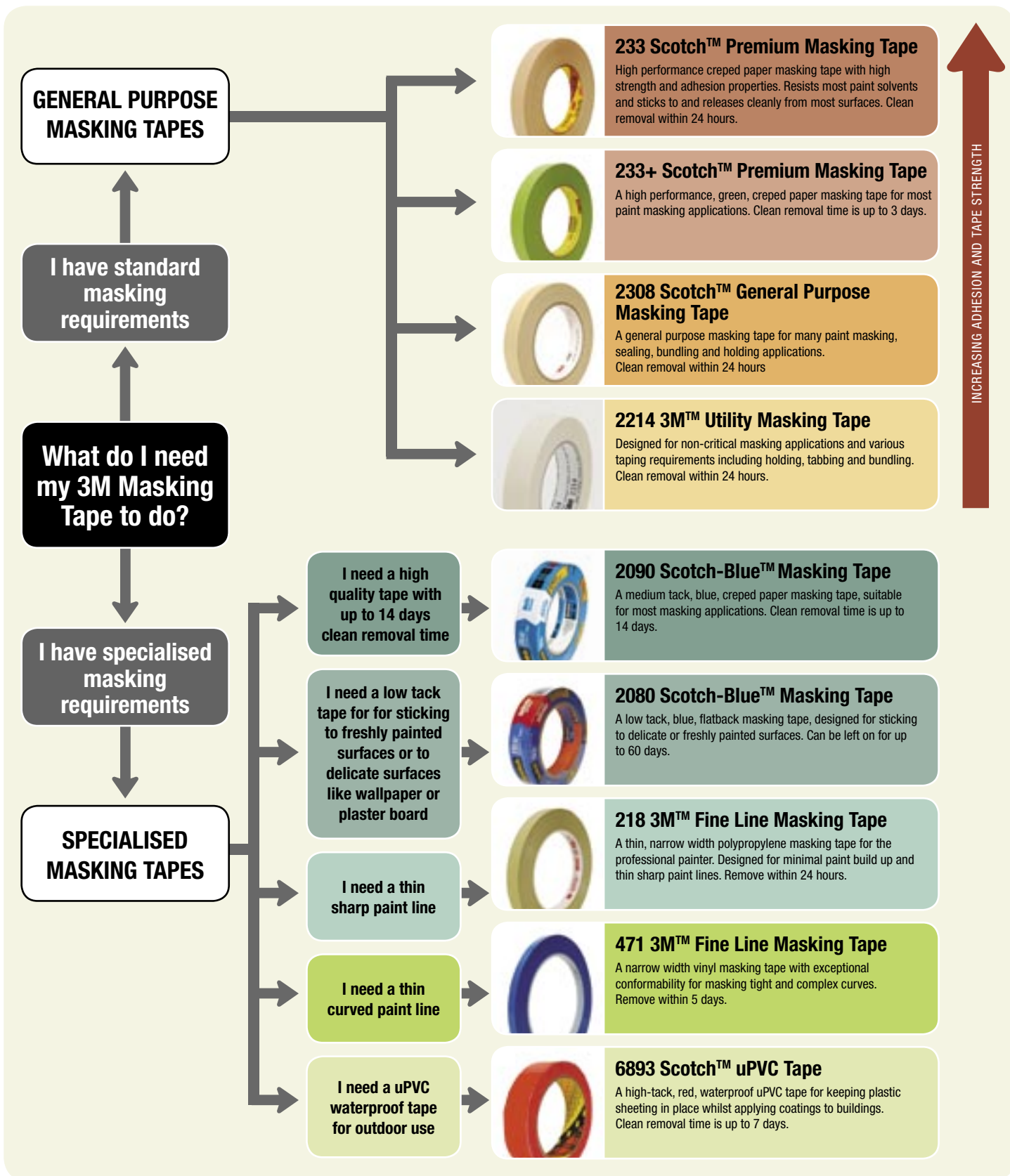
Specialised Masking Tapes	2090	Multi surface tape for most masking jobs. Ideal for masking on different surfaces. Can be left in place for 14 days, even in direct sunlight.	Crepe paper	Acrylic	Blue	Interior/ Exterior	14 days	Semi-Smooth to Semi-Rough	60°C	0.14 mm	Medium	19, 25, 38, 50
	2080	Low tack for delicate surfaces eg. paper and fresh paint	Flat paper	Acrylic	Blue	Interior/ Exterior	60 days	Smooth to Semi-Smooth	60°C	0.10 mm	Low	19, 25, 38, 50
	218	Fine Line Tape for thin straight paint lines	Polypropylene film	Rubber	Lt Green	Interior	1 day	Smooth to Semi-Smooth	60°C	0.13 mm	High	3.2, 6.4
	471	Fine Line Tape for tight and complex curves	Vinyl film	Rubber	Blue	Interior/ Exterior	5 days	Smooth to Semi-Rough	77°C	0.10 mm	Medium	3.2, 6.4
	6893	Waterproof exterior masking and holding tape	uPVC film	Rubber	Red	Interior/ Exterior	7 days	Smooth to Semi-Smooth	60°C	0.06 mm	Medium	25

- Notes
1. Maximum time that tape can be left on job before adhesive starts to transfer
 2. Best paint lines are achieved when used on the following surfaces



Selecting your Masking Tape

The 3M™ Masking Tape range provides a masking solution to meet most requirements. Follow the chart below to assist in choosing the right tape for your needs to ensure a professional finish and to avoid unnecessary clean up or re-work.



Tips and Techniques

Handling your masking tape for best application



Avoid stretching the tape

Pull at least 500mm of tape at a time from the roll. Press down small increments of tape, keeping a droop between the point of contact and the roll or tape end. If stretched, the tape may lift or break.



Lay tape into depressions

Do not stretch or force tape into depressions. This leaves “stretch” in the tape that compensates for any shrinkage during painting or drying so you will get better adhesion and paint edge.



Firmly press down tape edges

After laying the tape into position, press down the edges. Using a plastic applicator such as the one shown increases tape-to-surface contact to help prevent seepage and jagged paint lines.

Removal methods



90° pull at moderate speed for best results

Keep the angle of removal perpendicular (90°) to the surface and pull at a moderate speed. If the angle is greater or less there is more chance of adhesive transferring from the tape to the surface. The same problem is possible if the tape is removed too slowly. If removed too quickly, the tape may tear or sliver.

Remove at a temperature of between 15°C–49°C for clean removal without tearing or slivering. Removal at hotter temperature increases the potential for adhesive transfer. At colder temperatures, the tape is more brittle with increased chance of slivering.

Masking Paper, Films and Dispensers

3M also produces a wide range of masking papers, films and dispensers, used for masking or blocking out wide areas, such as doorways and windows.



Masking Paper/Film	Features /Applications	Product/Weight	Widths
MP50	Lightweight masking paper suitable for masking areas up to 900 mm wide.	Paper/50gsm	300 mm, 450 mm, 600 mm, 750 mm, 900 mm
MP65	Superior masking paper with greater resistance to paint bleed through.	Paper/65gsm	300 mm, 450 mm, 600 mm, 750 mm, 900 mm, 1200 mm
MF	Masking Film for covering large areas up to 3.6 m wide.	Film	304 mm, 610 mm, 1220 mm, 1830 mm, 2515 mm, 3657 mm
M3000	Hand dispenser for applying masking film and paper. Automatically applies tape during application.		



3M New Zealand Limited
Industrial Adhesives and Tapes

Please note that the technical information and data provided within should be considered representative or typical only and should not be used for specification purposes. User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user’s method of application.